

IEEE P1800 SystemVerilog Working Group
UNAPPROVED MINUTES
16 June 2011
8:00 a.m. – 10:00 a.m. PDT
Teleconference

1 CALL TO ORDER - INTRODUCTIONS & AFFILIATIONS

The meeting was called to order at 8:11 a.m. PDT.

Member DRs/DRA's Present:

Dennis Brophy (Mentor Graphics, DR)
Mehdi Mohtashemi (Synopsys, DR)
Karen Pieper (Accellera, DR)
Neil Korpusik (Oracle, DR)
Scott Little (Freescale DR)
Charles Dawson (Cadence, DR)

Member DRAs Present:

Dave Rich (Mentor, DRA)

Observers:

Stu Sutherland (Editor)
Shalom Bresticker (Intel)

- For participant reference, the SA Website with Basic and Advanced Member lists can be found at: <http://standards.ieee.org/develop/corpchan/mbrs1.html>.

2 APPROVE AGENDA

A motion (Dennis Brophy, Scott Little) was made to approve the agenda. The motion passed unanimously.

3 PATENT POLICY AND CALL FOR PATENTS

Chair Pieper called to the attention of all participants to the IEEE patent policy. That information is found at: <http://standards.ieee.org/board/pat/pat-slideset.ppt>. Chair Pieper asked if anyone had not read the patent policy in preparation for this meeting and needed her to do it. There were none who indicated they needed her to do it.

4 APPROVAL OF MINUTES

The 12 May meeting minutes were not posted. They will be set for approval at the next meeting.

4.5 V-AMS STANDARD APPROACH

Initial interactions with the Accellera Verilog Analog/Mixed Signal (V-AMS) group resulted in a request for the V-AMS committee to create a separate document that would reference, but not contain any SystemVerilog in it. The V-AMS committee now wants to take a version of the SystemVerilog standard and make additions to it, according to Chair Pieper such that the V-AMS standard would be built from the SystemVerilog text.

The creation of a “dot” standard was discussed that would be the differences between IEEE Std 1800 and what the V-AMS committee would write. The Accellera V-AMS team has the BNF, but to do more, they need to secure specific rights to do this with the IEEE standard itself.

The P1800 committee asked if Accellera’s work will align with 1800-2009 or 1800-2012? The V-AMS group will probably lag one release since their work will always complete some finite amount of time after a P1800 project is completed.

The P1800 discussed its willingness or preparedness to let the V-AMS committee have a copy of the standard. The P1800 discussed if the V-AMS committee did have it, would editing to be under the IEEE or Accellera. The P1800 committee discussed a way to let them have the 1800-2009 standard and let them propose changes within Accellera, but return it back to the IEEE for consensus standardization.

The statement back is to the AMS committee based on the discussions took this form: We are willing to support their desire to create a separate SV-AMS standard based on P1800. The SV-AMS committee should understand there will be future versions of the P1800 standard and we leave it to the SV-AMS team to determine the need to update their work to be consistent with those new versions. We are willing to let them do the work in Accellera, but they should know that the probability is high they cannot publish the work unless they come back to the IEEE. The SV-AMS team is committing to make their modification/changes such that they will not remove or change the existing SV functionality. The P1800 reserves the right to make changes in future standards that could impact AMS additions, modifications and changes. With that knowledge, do they accept these constraints?

A motion (Dennis Brophy, Scott Little) to approve the statement to the Accellera Verilog-AMS team. The motion passed unanimously.

5 MEETING ATTENDEE AUTHORIZATION

Chair Pieper indicates most of the email lists are now modified. No new info to report.

6 FUNDING, BUDGETING, AND FINANCIAL UPDATE

Invoices are out. Several have paid.

7 UPDATE ON EDITING

Stu's contract for the second round of editing has been submitted. The group reviewed the financial details of this.

Chair Pieper will send another email message to remind Noelle that Stu's contract needs to be finalized.

8 UPDATING POLICY AND PROCEDURES DOCUMENT

Approval will be done at the next meeting. The P1800 chair and co-chair met with an AudCom member, DASC chair and CAG chair to discuss and review the group's modified P&P's. The consensus of the attendees was to adopt the P&P's as the P1800 wrote them and wait for any audit by AudCom in the event they need to be changed.

ACTION REQUEST: [Dennis Brophy]: Send the location where the P&P's are posted to Chair Pieper.

9 SCHEDULE STATUS UPDATE

- June 16, 2011 Conference Call
- July 14, 2011 Conference Call
- July 31, 2011 Revision 2 of 1800-2012
- August 11, 2011 Conference Call
- September 8, 2011 Conference Call
- October 1, 2011 Feature Freeze in the committees
- October 13, 2011 Conference Call
- October 13, 2011 Feature Freeze in the P1800
- November ??, 2011 Sync-up meeting with JEITA, SV-* committees presenting
- November 6, 2011 Pre-ballot draft of 1800-2012
- November 10, 2011 Conference Call
- November 15, 2011 Remind entities to become members
- December 8, 2011 Conference Call
- December 16, 2011 Open the invitation to ballot
- December 26, 2011 Last editing corrections filed in svdb
- January 9, 2012 P1800 approval due
- January 16, 2012 Close of the invitation to ballot
- January 24, 2012 Completion of the review of the pre-ballot draft
- January 25, 2012 Balance in the balloting group confirmed
- January 28, 2012 P1800 meeting
- ----- Ballot draft available
- February 4, 2012 Balloting begins
- March 6, 2012 Ballot closes
- March 21, 2012 Ballot responses available
- May 21, 2012 Committees respond to ballot responses
- June 5, 2012 P1800 approval of recirculation ballot
- July 5, 2012 Recirculation pre-draft
- July 12, 2012 Recirculation pre-draft review complete

- July 19, 2012 Recirculation draft approved, recirculation initiates
- August 3, 2012 Recirculation results back
- November 18, 2012 Election of Officers Two Year Anniversary

10 P1800 TECHNICAL COMMITTEES AND CHAMPIONS OPERATIONAL UPDATE

Neil reviewed the approved Mantis items. His report on the items can be found [here](#). The report shows the Champions committee reviewed 37 items and passed 29 of them.

A motion (Neil Korpusik, Mehdi Mohtashemi) was made to approve all 29 Mantis items in the list of 37 that the Champions committee reviewed. The motion passed unanimously.

Neil reported in the technical committee's status from his report that can be found [here](#).

There are now items in the editor state ready for the editor to put into the draft from the SV-AC portion of the report. Stu noted he was aware of this and was going to bring them into the next draft.

The SV-BC reported that it is difficult to address issues with macros and may need to create a software model of the process to finalize issues with macros.

The SV-CC status is not updated in Neil's file. Chase gave an update directly and he indicates the SV-CC has spent 3 meetings on Mantis 3087 and they will probably have to hold several more meetings to complete it.

The SV-DC has resolved Mantis 3398 based on the joint proposal from Cadence & Mentor. During the meeting, Jess Chen from Qualcomm said there could be a related patent (or patent pending) to the work being done in the committee. The patent relates to DPI (that characterization is second hand information). Karen will contact PatCom for process advice on the actions she needs to take.

11 NEW BUSINESS

None.

11 NEXT MEETING (ANNOUNCE DATE, TIME, AND LOCATION, IF KNOWN)

- 14 July 2011 P1800 Meeting teleconference 8 a.m. – 10:00 a.m. PDT.

12 ADJOURNMENT

A motion (Dennis Brophy) was made to adjourn. Having not further business before the committee, the meeting concluded at 9:29 a.m.