



Working Group Meeting January 11, 2011

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WG Chair

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Administrative Issues 1

- ◆ **Approval of minutes of WG meeting**
 - Meeting of December 8, 2010
- ◆ **Publicity**
 - Submitted high level update about 1076.1 and 1076.1.1 to Richard Goering for his blog
- ◆ **Financial Plan for 2011**
 - Received proposal from Peter Ashenden for LRM work
 - 47 h for predictable items, but most projects are not far enough ahead to make a good prediction
 - Have contacted IEEE regarding contract management.
 - No response yet.
 - Will discuss fundraising with Officers.
- ◆ **Review of IEEE patent policy**
 - <http://standards.ieee.org/board/pat/pat-slideset.pdf>



Agenda

- ◆ Call to order
- ◆ Approval of agenda
- ◆ **Administrative issues**
 - Minutes of December 8 meeting
 - 1076.1.1 and 1076.1 updates
 - Review of IEEE patent policy
- ◆ **Project status and updates**
- ◆ **Next meeting**
- ◆ **AOB**
- ◆ **Adjourn**

Administrative Issues 2: 1076.1.1 Revision

- ◆ **IEEE-SA ballot closed on December 19, 2010**

◆ Results:

balloting group members	22	
ballots returned	21	95%
affirmative	20	96%
negative	0	0%
abstentions	1	4%
comments	0	

- ◆ **Revision has been approved since return rate > 75%, abstentions < 20%, no comments to resolve**
- ◆ **Draft submitted to RevCom for processing at March 30, 2011 meeting**



Administrative Issues 3: 1076.1 Revision

- ◆ PAR approval by DASC closed on December 14, 2010
- ◆ Results:

Votes returned	20
Votes counted (eligibility)	15
Approved	13
Disapproved	2
- ◆ PAR has been approved by DASC
- ◆ PAR submitted to NesCom for processing at March 29, 2011 meeting



VHPI-AMS

- ◆ 4 members regular
 - David Smith (champion), Ernst Christen, Yaseen Zaidi, Peter Ashenden
- ◆ Reviewed Peter's object analysis with some good questions raised
- ◆ Received VHPI-AMS related material from Cadence
 - Available in protected area of WG twiki
- ◆ Next steps
 - Review functions (David)
 - Review Verilog VPI presentation created by Yaseen
 - Review Cadence VHPI-AMS material



Project Updates

- ◆ VHPI-AMS: David Smith
- ◆ 1076.1.1 integration: David Smith
- ◆ Other mandatory changes: Ernst Christen
- ◆ Frequency domain modeling: Ernst Christen
- ◆ Mixed netlists: Ernst Christen
- ◆ Table-driven modeling: Joachim Haase
- ◆ Vector/matrix operations: Zhichao Deng
- ◆ PDE support: John Willis
- ◆ Uniform use of SPICE models: John Willis



1076.1.1 Integration

- ◆ 2 members regular (David Smith, Ernst Christen)
- ◆ No Progress.
- ◆ Next steps are:
 - Peter to partition and include existing 1076.1.1 when working on new LRM.
 - David to develop requirements for Dimension support.
 - Review against SI language once the material is in the new LRM.



Other Mandatory Changes

- ◆ **First meeting held on December 15**
- ◆ **Two attendees**
- ◆ **Discussed Peter Ashenden's proposal**
 1. Incorporate VHDL-2008 changes
 2. Incorporate digital VHPI
 3. Baseline this version as 1076-2008 + 1076.1-2007
 4. Generate LCSs for the necessary changes
 5. Incorporate the LCSs
- ◆ **Completion of steps 1-3 will enable further work of subcommittee**
 - About 15 hours of work
- ◆ **Next steps**
 - Fund raising
 - Enter contract with Peter



Table-Driven Modeling

- ◆ **Members of TDM subcommittee:**
 - Joachim Haase (champion), Ernst Christen, Arpad Muranyi, Alain Vachoux
- ◆ **Work is also of interest to 1076 study group**
- ◆ **Last meeting January 10, 2011**
 - Reviewed draft for 1st order complex interpolation
 - Reviewed findings on causality/stability
- ◆ **Next steps**
 - Higher order interpolation
- ◆ **Next phone conference of TDM subcommittee**
Monday, February 7, 2011 – 8am PST
To join the conference: +49 6151 155-9710 PIN: 1677



Frequency Domain Modeling

- ◆ **4 regular members, 7 total**
 - Ernst Christen (champion), Joachim Haase, David Smith, Zhichao Deng, Subramanian Sivaramakrishnan, Brian Mulvaney, Thuy Tran
- ◆ **White paper describing all aspects related to support frequency domain modeling ready for review and approval by WG**
- ◆ **No meetings planned**



Vector/Matrix Operations

- ◆ **4 regular members of subcommittee**
 - Zhichao Deng (champion), David Bishop, Subramanian Sivaramakrishnan, Ernst Christen
- ◆ **Work is also of interest to 1076 study group**
- ◆ **WG for approval of requirements closed December 21, 2010**
 - 7 votes received, including 3 from eligible voters
 - All votes affirmative, 4 comments
- ◆ **Early draft of matrix_real package currently under review by subcommittee**
- ◆ **Next meeting January 18, 2011, 9 am PST**



Next Steps

◆ **Publicity**

- Publication in Simulation News in Europe (spring 2011)

◆ **1076.1.1 revision**

- Wait for RevCom decision

◆ **1076.1 revision**

- Wait for NesCom decision

◆ **Other**

- Complete financial plan
- Fund raising
- Determine contractual issues for LRM writing

◆ **Next meetings (announced at www.eda.org/vhdl-ams/):**

- Tuesday, February 8, 2011, 8am PST (16:00 UTC)
- Tuesday, March 8, 2011, 8am PST (16:00 UTC)

