

# IEEE 1149.4 Mixed-Signal Test Bus Working Group Meeting Minutes

for

October 25<sup>th</sup>, 2007

1 PM -5 PM PDT

Santa Clara Convention Center, Room #202

## Meeting Agenda:

Time	Topic	Responsibility
1 PM – 5 PM	1. Review meeting minutes for Oct 16th , 2007.	All
	2. Presentation from Raul Rousselin (TI) on the implementation of 1149.4 for board level test.	Raul Rousselin
	3. Pre-ballot - BSDL extensions parser. - List of changes to be made in the documentation. - Mandatory Editorial Coordination (MEC).	All
	4. Schedule for the ballot.	All
	5. Review draft version 2.5	All
	6. Other issues.	All
5 PM	Meeting adjourned	Bambang

## Meeting Attendees:

Name	Company
Adam Ley	Asset-Intertech
Ken Parker	Agilent Technologies
Zafar Quadri	Solectron Corp.
Heiko Ehrenberg	Goepel Electronics LLC
Adam Cron	Synopsys
Marc Hutner	Teradyne
Raul Rousselin	TI
Srividya Sundar	University of Alabama
Bambang Suparjo	Mentor Graphics

### 1. Review meeting minutes October 16<sup>th</sup> 2007.

- a. The second number of minute 1b should be ii, not b.
- b. In minute 4a, the word Geopel needs to be corrected to Goepel.

- c. The meeting minutes for October 16<sup>th</sup> have been approved with the above corrections, suggested by Heiko and seconded by Ken.

## **2. Presentation from Raul Rousselin (TI) on the implementation of 1149.4 for board level test.**

This is a project-collaboration between TI and University of Alabama. The work has been published in ITC 07 conference proceeding – A Low-Cost Automatic Mixed-Signal Board Test Using IEEE 1149.4, paper 1 in session 24.

- A test board that consists of STA400 chips has been used to provide access to analog chip pins in the system board.
- The internal connection of ABMs and TBIC can be identified by reviewing the BSDL example that available in the STA400 chip datasheet.
- A software has been developed to control 1149.4 test circuitry to perform mixed-signal interconnect test.
- The samples of test board and the system board have been shown to the working group.
- Adam Ley will make an arrangement to visit TI to explore further the test implementation.

## **3. Pre-Ballot**

- a. BSDL extensions parser

Ken and Heiko will develop the BSDL extensions parser.

- b. List of changes to be made in the documentation.

The group reviewed the list provided by Adam Cron:

- i. The list of members needs to be updated (Bambang).
- ii. The value of Vg needs to be provided. The group will work with Raul from TI to get the appropriate value.
- iii. Adam Cron needs to find what IEEE can do for editing, and to find the information required for the ballot e.g. inviting people, change-list, change bars and modified draft, etc.

## **4. Schedule for the ballot**

The target date for ballot is October 29<sup>th</sup> 2008.

**5. Review Draft 2.5.**

- a. Note 4 in page 8 has been reviewed.
- b. MST\_BC\_4 constant and attribute have been defined.

**6. Other issues**

The group will communicate through email to set up the next teleconference.

- 7.** The meeting adjourned at 5 PM PDT.