

IEEE 1149.4 Mixed-Signal Test Bus Working Group Meeting Minutes

for
December 18th, 2006

8:00 AM – 9:00 AM

Meeting Agenda:

Time	Topic	Responsibility
8:00-9:00 AM	1. Review the meeting minutes for December 5 th , 2006 2. Update/Review the following action items: a. Revise Kitchen Sink example. b. Revise Straw Dog example. c. ABSDL for STA400 chip. 3. Review ABSDL Draft. 4. Other issues.	All Adam Ley Adam Ley Bambang All All
9:00 AM	Meeting adjourned	Bambang

Meeting Attendees:

Name	Company
Adam Cron	Synopsys
Ken Parker	Agilent Technologies
Heiko Ehrenberg	Goepel Electronics LLC
Marc Hutner	Teradyne
Zafar Quadri	Solectron Corp.
Bambang Suparjo	Mentor Graphics

1. Review the Meeting Minutes for December 5th, 2006

- a. Correction on item 3a(iii) is shown below:

“Page 17 line 12 <MST differential record list string> has been replaced to <MST differential group_table string>.”

- b. Regarding item 3b, the diagram has been sent to Adam Cron. Heiko commented that it would be good if the cell numbers are provided for the cells attached to the differential pins.

- c. The meeting minutes for December 5th, 2006 have been approved with correction on item 3a(iii), suggested by Heiko and seconded by Adam Cron.

2. Update/Review on the following action items

- a. Revise Kitchen Sink example.
- b. Revise Straw Dog example.
- c. ABSDL for STA400 chip.

All the above action items are still pending. Heiko suggested that we could include a simple complete example in the draft that can demonstrate the application of the proposed ABSDL syntaxes.

3. Review ABSDL Standard draft

The draft version 1.8 has been sent to the group:

- a. The rules for attribute MST_PORT_GROUPING have been updated as shown below:
 - i. The syntax for the <MST differential statement> shall be that shown above.
 - ii. Devices with differential ports shall have exactly one <MST diff statement>.
 - iii. Each member of the <MST differential capture cell list> shall appear as the value of a <cell number> in a <cell entry> element in the <boundary register stmt>.
 - iv. In the case of the <MST twin group type> equal to Differential_Digital, each member of a <MST differential capture cell list> shall refer to a DBM cell.
 - v. In the case of the <MST twin group type> equal to Differential_Analog, each member of a <MST differential capture cell list> shall refer to a ABM cell.
 - vi. In the case of <MST twin group type> equal to Differential_Analog, one of the capture cells shall be the BUS1 bit of the respective ABM (See 7.4.1.1 h) and i)).
 - vii. The function of DBMs associated with the single-ended capture point of differential pins shall perform an observe-only function.
- b. Ken suggested that we could update the Kitchen Sink example and verify the proposed syntaxes using the existing parser. Bambang will do the initial update.

4. Other Issues

The next meeting will be on January 9th, 2007 at 8 AM PST.

- 5. The meeting adjourned at 9:00 AM.