

IEEE 1149.4 Mixed-Signal Test Bus Working Group Meeting Minutes

for
December 5th, 2006

8:00 AM – 9:00 AM

Meeting Agenda:

Time	Topic	Responsibility
8:00-9:00 AM	1. Review the meeting minutes for November 28 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
Roger Sowada	Honeywell
Zafar Quadri	SLR
Bambang Suparjo	Mentor Graphics

1. Review the Meeting Minutes for November 28th, 2006

- a. The meeting minutes for November 28th, 2006 have been approved, suggested by Adam Cron and seconded by Heiko.

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.

3. Review ABSDL Standard draft

The draft version 1.7 has been updated.

- a. Based on the feedback from Heiko:
 - i. Page 17 line 2, attribute MST_PORT_GROUPING is not a “mandatory” attribute, so the word “mandatory” has been removed.
 - ii. Page 17 line 3, both DBMs and ABMs can be associated to differential I/O ports. DBMs is added.
 - iii. Page 17 line 13, <MST differential group_table stringt> has been replaced to <MST differential record list string>.
 - iv. Page 17 line 18, the capture cell can be applied to both digital and analog differential. So the word “digital” has been removed from <MST differential digital capture cell list> at lines 18 and 19, and from <MST differential digital capture cell> at lines 20 and 21.
 - v. Page 18 line 8, cell 3 function is output2.
- b. Ken suggested that a diagram that can show multiple capture cells would be helpful to support example ((D2, D2N) : 27, 28) shown in page 19 line 21. Bambang will send the diagram to Adam Cron.
- c. Rules for attribute MST_PORT_GROUPING have been proposed (section 10.1.1.1.1):
 - i. The syntax for the <MST differential statement> shall be that shown above.
 - ii. Devices with diff ports shall have <MST diff statement>.
 - iii. Each member of the <MST diff cap cell list> shall appear as the value of a <cell number> in a <cell entry> element in the <boundary register stmt>.
 - iv. Each member of a <MST diff cap cell list> shall be either a DBM cell or an ABM cell depending on whether the twin_group type is Differential_Digital or Differential_Analog, respectively.

- v. In the case of Differential Analog, one of the capture cells shall be BUS1 of the respective ABM (See 7.4.1.1 h) and i)).
- vi) The function of DBMs associated with the single-ended capture point of differential pins shall perform an observe-only function.

4. Other Issues

The next meeting will be on December 18th, 2006.

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