

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

for  
October 16<sup>th</sup>, 2007

8 AM – 9 AM PDT

## Meeting Agenda:

Time	Topic	Responsibility
8 – 9 AM	1. Review meeting minutes for Aug. 30th and Sep. 6th , 2007.	All
	2. Comments on the draft version 2.5	All
	3. BC_4A cell.	All
	4. Identifying pending issues to be resolved before ballot.	All
	5. Identifying items to be discussed in next meeting at ITC.	All
	6. Other issues.	All
9 AM	Meeting adjourned	Bambang

## Meeting Attendees:

Name	Company
Adam Ley	Asset-Intertech
Ken Parker	Agilent Technologies
Zafar Quadri	Solectron Corp.
Heiko Ehrenberg	Goepel Electronics LLC
Bambang Suparjo	Mentor Graphics

### 1. Review meeting minutes for August 30<sup>th</sup> and September 6<sup>th</sup>.

#### a. Meeting minutes for August 30<sup>th</sup>

The meeting minutes for August 30<sup>th</sup> have been approved, suggested by Ken and seconded by Heiko.

#### b. Meeting minutes for September 6<sup>th</sup>.

- i. In minute 2b, for rule 10.4.4.5.2d, there was a typo error on referring to rule 10.4.4.5.2c. The correction is shown below:

If an <MST twin group type> equals **DIFFERENTIAL\_DIGITAL**, each <cell entry> that satisfies c) shall have <function> **OBSERVE\_ONLY**, **CLOCK**, or, where **INTEST** does not occur as the value of an <instruction name> element in an <opcode description> element of the <instruction opcode stmt>, **INPUT**.

- b. In minute 3a, for note 3, there was also a typo error on referring to example 10.4.4.5. The correction is shown below.

When coding the Boundary-Scan Register description of differential inputs, use “observe\_only” rather than “input” to describe the cell function for the associated leg. (See examples in 10.4.4.5.)

The meeting minutes for September 6<sup>th</sup> have been approved with the above corrections, suggested by Ken and seconded by Heiko.

## 2. **Comments on draft version 2.5**

Bambang requesting clarification on using BC\_4 cell as observe\_only for differential output shown in Figure 54. Adam Ley informed that it is fine to use BC\_4 as observe\_only for differential output.

## 3. **BC\_4A cell**

A new cell constant will be defined. According to Adam Ley the introduction of this new cell constant will require a minor change in the documentation. Adam Ley will provide the description after ITC.

## 4. Identifying pending issues to be resolved before ballot.

There are two issues have been identified:

- a. Developing a parser for the BSDL extensions. Ken and Heiko(with his team in Geopel) will work on the development.
- b. Reviewing the whole standard documentation. Adam Cron has the list of changes to be made in the new documentation version.

## 5. Identifying items to be discussed in next meeting at ITC.

At ITC, the group would like to discuss the schedule for the ballot.

## 6. **Other issues**

The meeting at ITC will be on October 25<sup>th</sup>, 1-5 PM at Santa Clara Convention Center, Room #202.

## 7. The meeting adjourned at 9 AM PDT.