

IEEE 1149.4 Mixed-Signal Test Bus Working Group Meeting Minutes

for
April 5th, 2005

9:00AM-11:00AM

Meeting Agenda:

Time	Topic	Responsibility
9:00 AM	1. Introduction	Bambang Suparjo
9:05-11:00 AM	1. Review on Straw_Dog_2_0 Proposal. 2. Next Actions.	Adam Ley
11:00 AM	Summary and Adjourn	Bambang Suparjo

Meeting Attendees:

Name	Company
Adam Cron	Synopsys
Adam Ley	Asset-Intertech
Keith Lofstrom	Keith Lofstrom Integrated Circuits
Ken Parker	Agilent Technologies
Bambang Suparjo	Mentor Graphics

Sending Regret:

- Adam Osseiran
- Steve Sunter

1. Introduction

Bambang moderated the teleconference. The meeting minutes on February 22nd 2005 have been reviewed. The changes that have been made are included in file 1149.4_minutes_022205_reviewed.

While reviewing the previous meeting minutes, Adam Cron requested explanation on the safe value for BC_7 (i.e. X) as shown in section 2.3a. Adam Ley provided an answer where BC_7 does not require safe value in 1149.1 and also in 1149.4. The disable result value Z is based on the safe value at the control cell (cell 7 or cell 11 in the Straw_Dog_2_0), which is 0. Therefore, safe value is not required for BC_7.

2. Review of Straw_Dog_2_0 Proposal

The meeting was based on the corrected meeting minutes (as in file 1149.4_minutes_022205_reviewed) and the following files, proposed by Adam Ley:

- a. MST_Straw_Dog_2_1.bsm diff vs 2_0
- b. MST Extension 2_1 diff vs 2_0

Files “MST_Straw_Dog_2_1.bsm diff vs 2_0” and “MST Extension 2_1 diff vs 2_0” are the updated version of the Straw_Dog_2_0.

2.1 File “MST_Straw_Dog_2_1.bsm diff vs 2_0”

File “MST_Straw_Dog_2_1.bsm diff vs 2_0” contains both the original information and the changes.

- a. The Straw_Dog version has been changed to 2.1.
- b. Adam Cron suggested to use 4 bits INSTRUCTION_OPCODE but do not use 0000 for EXTEST and do not use code 0001. Also, IDCODE needs to be included.
- c. The changes in “attribute INSTRUCTION_OPCODE”, and “attribute REGISTER_ACCESS” are in respond to item 2.1 of the last meeting minutes.
- d. In “attribute BOUNDARY_REGISTER”, the safe values for cells 2, 3, 6 and 10 have been replaced to X, in respond to item 2.3a of the last meeting minutes. Keith requested explanation on “keeper” and Adam Ley will prepare the information.
- e. Co in cell 7 needs to be replaced by C (typo error).
- f. The comments on cells 7 and 8 are in respond to item 2.3g of the last meeting minutes where the control cell for ABM can only control one pin.
- g. Adam Cron requested explanation on value 1 for port partition in “attribute MST_ABM_List”. Adam Ley answered, this is related to item 2.5c of the last meeting minutes and that item is in his “to do” list.

- h. Comments on cells 4, 7 and 11 are in respond to item 2.3d of the last meeting minutes where the safe values for those cells are 0.
- i. Comments on cells 5, 8, 9, 12 and 13 are in respond to item 2.3f of the last meeting minutes where the safe values for those cells are 0.
- j. The cells order in “attribute MST_TBIC_Base” is referring to table 1 and 2 in the standard. This is in respond to item 2.4c of the last meeting minutes.

2.2 File MST Extension 2_1 diff vs 2_0

File MST Extension 2_1 diff vs 2_0 also contains both original information and the changes.

- a. The location of comma in MST TBIC base description needs to be reviewed.
- b. MST TBIC additional partition count statement has been removed, in respond to item 2.4b of the last meeting minutes.
- c. The “{}” in MST TBIC additional partition cells needs to be replaced by “[]”.

3. Next Actions

Adam Ley will update all the information that have been discussed and also will consider item 2.5 of the last meeting minutes.

4. Summary and Adjourn

Bambang summarized the meeting and the teleconference was adjourned at 11:00 AM.