

Date – 05/3/2011

Attendees: CJ Clark, Bill Tuthill, Brian Turmelle, Carl Barnhart, John Braden, Wim Driessen, Adam Ley, Heiko Ehrenberg, Roland Latvala , Craig Stephan, Francisco Russi, Ted Cleggett, Dave Dubberke,

Missing with pre-excuse Adam Cron, Ken Parker, Carol Pyron,

Missing: Lee Whetsel, Neil Jacobson, Bill Eklow, Ted Eaton, Mike Richetti,

Agenda:

- 1) **11:00** Patent Slides and Rules of Etiquette
- 2) 11:05 Segmented Boundary Register
 - i. *Added Rule to clarify, table until review of register_assembly*
- 3) 3) **11:10 Proposal from Wim on PDL alternate**
- 4) 11:30 Annex B
 - a. Discussion
- 5) 11:35 PDL Annex C
 - a. Discussion
 - b. iTarget/iCall
- 6) 11:55 Call for New Business (if any)

Meeting Called to order at 11:00 am EST

Minutes:

Review Patent Slide – Reminder sent out over email during the last week.
Review of Working Group Meeting Guidelines

Segmented Boundary Register

Added recommendation to clarify the use of IP that affects the boundary register to make sure that all rules of clause 11 are met.

Further discussion on Hierarchy will be tabled until review of register_assembly

Alternate PDL proposal from WIM

Take procedures and build them into BSDL as extensions for each procedure.
Side file will specify the settings that you want for your init reg.

Carl : points out that the quotations in the example are not correctly used for BSDL/VHDL

CJ: there still is a side file. So putting things into a BSDL doesn't get us to a single file.

CJ: Also there is a debug effort to line things up between the two different files (BSDL and side file)

Heiko: biggest problem is that when you change the BSDL you need to make sure your tests are still valid. And editing or modifying these procedures with all the BSDL files may not be the way to go

Wim: standard procedures supplied by chip providers. If you want to write a local procedure than you can write your own in a separate side files

Wim: Doesn't feel that PDL will be easy for a tool to have to interpret procedures and modify them.

CJ: envisions that there will be software that will create the PDL based on the BSDL and people would not be modifying templates by hand

Wim: thinks that the init register will not be a problem setting up and can get the info from the BSDL, but there could be more difficult registers that need setting and would require a customer to make a template or procedure by hand.

CJ: the vendor can provide a template or procedure for a test (LBIST).

Wim makes a motion to move some PDL procedures into BSDL and move towards including separate data assignments to registers in a side file and some PDL procedures in the side file.

Francisco Seconds

Discussion

Heiko: is there anything from having a data side file and a PDL side file?

Roland: a library of procedures doesn't need to be in a BSDL they can be in a PDL file

2(yes)-11(no): Motion does not pass

Annex B

What is being changed?

Carl: only deficiencies are ones that we have been aware of for a while

Text phrasing was not correct

Also fixing standard Annex headings

Annex C:

Wim: what is the scope of iWrite? Is the iApply the end of the scope?

CJ: the iApply does not change the scope. The iScope command changes the scope. The scope is persistent while you are doing iWrites and iReads.

It is just a string prefix that gets tacked on in front of the registers

CJ: iScope only modifies the registers and not the procedure names.

Carl: iTarget should be the BSDL entity name and not the instance?

CJ: that is a nuance that hasn't been fleshed out in 1687 and agrees with Carl.

Carl: iTarget points to the entity and iScope points to the instance.

CJ: in 1687 it doesn't work that way.

Carl: doesn't see where the link to the BSDL comes in with iScope or iTarget. Has to be a link between the PDL and the BSDL

CJ: all of these files (PDL and BSDL) are compiled by the tool and know how to link them.

Meeting adjourned: 12:25 EST.

Next Meeting: 5/10/2011 11:00 AM EST

1 Motion Made

Motion to move some PDL procedures into BSDL and move towards including separate data assignments to registers in a side file and some PDL procedures in the side file.

Motion did not pass

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Meeting time: Tuesdays 11:00 AM (EST) (Recurring)

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