

June 25, 2010

Minutes of today's IEEE 1149.1 - Initialize Sub-Group Meeting

Attendees:

Carl Barnhart
John Braden
Ken Parker
Carol Pyron
Bill Tuthill

Late:

CJ Clark
Heiko Ehrenberg
Sivakumar V.

Minutes:

There will be no meeting next week. Meetings resume on 9 July.

We continued reviewing Carol's sample BSDL with the fields and mnemonics.

- ***Changed TDI and TDO keywords to READ, WRITE, and RDWR.***
- CJ: Make the read/write part of the attribute name instead of a keyword.
- Ken: What about the 0/1, H/L idea for mnemonic value directions.
- CJ: Reiterated reasons for putting the direction on mnemonic instead of field. Primarily, this is to make the software easier; both checking for errors, and presenting legal options in a GUI that would help write side files. He re-displayed a PPT distributed to the group earlier.
- Carol: Want direction on the field definition to document the hardware in the BSDL.
- CJ: Putting direction on mnemonic covers what Carol wants, tried to rephrase his position.
- Carl: This is becoming a hardware (fields) vs. software (mnemonics) argument. What about user TDRs where there is not necessarily any side file.
- Ken: Side file could contain procs for other than init registers, ATPG would ignore anything outside the init procs.
- ***General consensus that side file would define two INIT procs, which may only access the init_data and init_status registers, and any other procs would be ignored by init process. This makes the side file more general.***
- Carol: agreed to move direction to mnemonic attributes.
- New topic: briefly discussed moving the "comments" into a parsed field so that it could be used in the tools as "pop-up" help.

Carol will update her example and redistribute.

Current Status:

Formalize Rules - Now handed off to the Dot1 'Init Tiger-team' (comprised of the same members), for incorporation into the Std. CJ targeting another 4-5 weeks to fold into the Std with the addition of the new 'observation and diagnosis' related Init rules.

BSDL Constructs - - in progress

Formalize PDL constructs - in progress

Work still to be done:

Incorporate into 1149.1 Std

Next meeting date:

Same time, Friday July 9th