

June 18, 2010

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

Attendees:

Carl Barnhart
John Braden
CJ Clark
Dave Dubberke
Heiko Ehrenberg
Roland Latvala
Ken Parker
Carol Pyron
Bill Tuthill
Sivakumar V.

Minutes:

During the previous week, Carol had released her updated example BSDL. We continued reviewing this document.

- Ken requested different colors for INIT changes and other changes.
- Ken & Carol: discussed INIT_RUN specification, Ken wanted the default value back (default = completion), and this was eventually dropped when it became clear that the default value can be specified in the field descriptions making the entry redundant. Side file overwrites the default.
- Discussion centered on Carol's example of programming pins currently coded as CE pins:
 - o Carl: again, coding them as CE with the compliance enable values results in redundant information; need to remove these pins from the CE list, and remove the true CE pins from the init-data register. We need a new class of pins for these pins that only affect initialization.
 - o Carol: changed pins to LINKAGE_OTHER.
 - o Ken: If capturing in init-data, now have a directionality problem in the BSDL. Also, the software has to check some bits of the init-data register after scan. (Init-data used to be write-only).
 - o Carol: suggested a capture keyword on read-only init-data fields.
 - o Carl: Directionality is obvious in side file (iRead vs. iWrite);
 - o Carol: How does a side-file writing tool (reading the BSDL) know the directionality?
 - o Ken & CJ: use H/L for expected mnemonic values, 1/0 for stimulus (similar to many other test tools)
 - o Carol, Ken, & CJ: add TDI or TDO keywords to either mnemonics or fields\.

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 next Friday June 25th