

1450.4 meeting minutes – 09/16/10

Attendees: Jim O'Reilly, Ernie Wahl, Bruce Parnas, Paul Reuter, Oleg Erlich, Ajay Khoche

Not present: Markus Seuring

Agenda:

- IEEE Meeting Preamble (No discussion of proprietary information).
 - Review draft ballot document (P1450.4_D00_2010_09_15.pdf) as provided by Ernie in his email of Sept. 15, 2010 (Subject: [STDS-1450.4:] Updated Syntac Doc). Also see my email of Sept. 15, 2010 (Subject: Empty and undefined SignalGroups, additional Signal types (NonFunctional and NoConnect); execution Bypass). Please review these two documents, and be prepared to vote yes or no on the various issues.
 - Discussion summary: Continued long discussion about how the need to allow certain pins to be ignored during testing, while still part of the Signals or SignalGroups could best be met.
 - Issues that the proposed solutions are intended to handle (among others).
 - Fewer pins at package than at wafer
 - Testing unused pins at package (i.e., making sure that pins that are not supposed to be bonded out are in fact open).
 - Solution:
 - Add additional attribute to Signals and SignalGroups. These attributes are Open and Analog. These attributes fulfill the same function that the proposed new Signal types from last week (NonFunctional and NoConnect) would – with the added benefit that one can combine the current Signal types (In, Out, InOut, Supply, and Pseudo), with the attributes Analog or Open. Specifying the behavior that these attributes bring to a Signal using new Signal types would preclude that, which is why we decided to make Analog and Open attributes. Note that the Analog attribute (along with an additional attribute called DigitizedAnalog) was proposed in the (currently-inactive) P1450.7 (Analog-Mixed Signal) extensions.
 - Don't allow empty SignalGroup. With the above two attributes, we no longer need an empty SignalGroup.
 - Along with the two new attributes mentioned above, it was mentioned that an additional Signal type (the current types being In, Out, InOut, Supply, and Pseudo) may be necessary. The new type would be Ground. Ernie to come up with example of where this would be useful.
 - FROM LAST WEEK: Signal Groups namespace lookup resolution (first to last)
 - PatternList (within PatternBurst).
 - PatternBurst
 - Test or Flow block
 - Test Program block
 - Unnamed SignalGroup block.
 - When trying to resolve a signal group name reference, the context list is traversed in the order shown above (PatternList to unnamed). If, at any context, a definition IS found in a SignalGroups block at that context level, the search stops. On the other hand, if a definition is NOT found in that context, go to the next higher level, and check there.
- Open issues - are there other open issues that should be considered? A review of the open issues list can guide us here.
 - Issues list:
<http://spreadsheets.google.com/ccc?key=0AoKiPr1I9LY9dF95dkhSTVVqOU5GbWJyWFNhY0JPX0E&hl=en>
 - Namespace resolution examples document:
<http://docs.google.com/Doc?docid=0AYKiPr1I9LY9ZGY4dmNjNTNfMGZkOGJ2bmZy&hl=en>
 - If logged into your google account, can edit. If not, can only view.
- Next Meeting 09/30/10.

For reference STIL .4 information can be found at the IEEE STIL website: <http://grouper.ieee.org/groups/1450/> (select the [P1450.4](#) link from the table) or use the direct link <http://grouper.ieee.org/groups/1450/dot4/index.html>