

## 1450.4 meeting minutes – 10/07/14

**Attendees:** Ernie Wahl, Jim O'Reilly, Ric Dokken, Greg Maston, Carey Garrenton

**Not present:** Scott Franzen, Paul Reuter, Markus Seuring, Oleg Erlich, Julia DiChiaro, Ajay Khoche, Mitsuo Fujii

### Agenda:

- Set start date for document reorganization (suspension of red-text leaf-node discussions, see item 5 below).
- Line 5922, section 6.11.3.2 *Shared Global Variable Memory*: special attention to initialization sequence. Please be prepared to critique the example and commentary in red.
- We are at the leaf-nodes of the STIL.4 language definition. Unresolved issues are not concentrated in any one section. The following list items affect syntax or semantics and therefore hinder completion of the prototype parser/database:
  - Line 5770: Const and units constraints
  - Line 5741: include recommendations regarding, for within a Spec:
    - Specifying different variables in different categories?
    - Specifying different variable definition sequence in different categories?
  - Line 4923, 4951: consider Enum (quantifiable and extensible) for App (application)
  - Line 4060, Table 13: convert(string)
  - Line 3355, Table 6: VecRange
  - Line 3186, Table 5: constraint Type (<TimingIDCLevels>)
  - Line 2823: var\_assignment\_stmt
  - Line 1215, 3130, Table 1: add TestExec
- Mentor Graphics:
  - Benoit will check if there are any data-capture requirements remaining, if not, vote on removing any and all data-capture/DFM associated syntax.
    - See Action Items below.
- Section 6.11.3.2 *Shared Global Variable Memory*, special attention to initialization sequence: review Jim O'Reilly's proposal.
- Review Annex G Block Sequence
- Review Annex B Name Spaces
- Ric Dokken to provide a complete production test program for Annex G.2
- Seeking help with coding examples: writing coding examples is an excellent way to spot documentation shortcomings. More participation equals more scrutiny. A complete production test program would be useful.
- Review Syntax Document organization and general content in light of emails:
  - Ric Dokken Sat 5/17/2014 4:09 PM
  - Jim O'Reilly Mon 5/19/2014 12:45 PM
  - Ric Dokken Tuesday, May 20, 2014 3:52 PM
  - Jim O'Reilly Tue 5/20/2014 10:57 PM
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### Summary:

Line numbers if any are with regard to STIL.4 syntax document dated Oct. 06, 2014.

- Long discussions about document re-organization. Long and wide-ranging discussion. End result was to continue next week, but reached the following decisions:
  - Section 6.11.2.6
    - Line 5778: CONSENSUS: remove "Const" and associated text
    - Line 5780: CONSENSUS: remove "units" and associated text. Same goal can be accomplished by using initialization value, e.g., NoneA (None amperes) to specify units for an otherwise undefined spec-variable.
- Next session: set start date for document reorganization (suspension of red-text leaf-node discussions).

### Action Items:

- Ernie: remove data-capture and DFM related text
- Jim: provide updated Dave Dowding hierarchical diagram
- Ric: provide syntax document outline proposal
- Ric Dokken to provide a complete production test program for Annex G.2. This program will include all elements (binning, test program, signal map, flows, tests, etc.) to the extent that Ric is able to.

### Completed Action Items:

- Jim to annotate Mentor slides, review with Benoit, and post on website following review.
  - **Done.**
- Jim to follow up with Mentor Graphics regarding:
  - continue-on-fail specification requirement.
    - **Conclusion:** For production testing with MBIST flows, NO continue-on-fail is needed. For characterization and debug, this may be needed, but is expected to be handled OUTSIDE the context of P1450.4
  - Benoit will check if there are any data-capture requirements remaining, if not, vote on removing any and all data-capture/DFM associated syntax.
    - **Conclusion:** No data-capture requirements remain for implementing production MBIST flows using Mentor Graphics methodology. Therefore, all data-capture/DFM syntax will be removed from P1450.4 documents (though preserved in past documents for archival purposes, if there's ever a need to resurrect this in some other context, such as P1450.5 or extensions to P1450.4

### Reference documents (If logged into your google account, can edit. If not, can only view.)

- <http://spreadsheets.google.com/ccc?key=0AoKiPr1I9LY9dF95dkhSTVVqOU5GbWJyWFNhY0JPX0E&hl=en>
- Namespace resolution examples document: <http://docs.google.com/Doc?docid=0AYKiPr1I9LY9ZGY4dmNjNTNfMGZkOGJ2bmZy&hl=en>
- Scratchpad spreadsheet: <https://spreadsheets0.google.com/ccc?key=tQ93VDnAZ-CI9RFKpPrPDzw&authkey=COzyro8K&hl=en&authkey=COzyro8K#gid=0>
- Scratchpad "Word" doc: [https://docs1.google.com/document/d/1zVu2M8nTJsrm0nFbBhiuM8-YRt4ErYqdy\\_uSa3x3\\_T4/edit?authkey=CLrgwrsG#](https://docs1.google.com/document/d/1zVu2M8nTJsrm0nFbBhiuM8-YRt4ErYqdy_uSa3x3_T4/edit?authkey=CLrgwrsG#)

**Next meeting:** 10/14/14.

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>