

1450.4 meeting minutes – 08/12/14

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

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

Agenda:

- Discuss conceptual pros and cons. Why should:
 - Test instantiation be associated with a TestProgram block?
 - STIL input stream be constrained to a single TestProgram?
- Discussion regarding actions (pre-actions, post-actions, pass/fail actions) in tests and flow nodes:
 - Follow C language model and add action names to reserved words (section 6.4, Table 1)?
 - Should actions consistently use parentheses?
- Proposed: to resolve expression Integer i = x.size() when SigGroup x, Spec x, and String x are defined, adopt from STIL.1 "It is an error for defined Variable or Constant names to conflict with Signals, SignalGroups, or Spec variable names accessible in the same context"
- Review ramifications of making failMemArm a function returning a Boolean value (section 6.8 and 6.6.4). See line 2299 (33 of example), i.e., do we allow function calls where only actions have heretofore been legal? Would defining a standard test that captures fail memory and compares signatures preclude having to address the previous question?
- Review section 6.11.3.2 Shared Global Variable Memory, special attention to initialization sequence.
- Review Annex G Block Sequence
- Review Annex B Name Spaces
- 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

Summary:

Line numbers if any are with regard to STIL.4 syntax document dated Aug. 11, 2014.

- Section 6.7.5 Instantiation and Execution (of Flow):
 - Line 2836: ADD "Top-level instance statements shall not be permitted when the input stream contains more than one TestProgram block."
- Section 6.6.2, Flow Variables
 - Line 4816: DELETE "STIL.4 neither assumes nor requires that a data-logging standard be used in any test environment."

Action Items:

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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#

Next meeting: 08/19/14.

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>