

1450.4 meeting minutes – 08/05/14

Attendees: Ernie Wahl, Ric Dokken, Scott Franzen , Carey Garrenton

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

Agenda:

- 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?
- 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 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. 04, 2014.

- REDEFINE failMemArm: stays armed for only one PatternBurst, failMemArm(None) is no longer required nor legal.
- Ric will propose a data capture alternative to section 6.6.4 Fail Memory Analysis. Involve Paul Reuter at the appropriate time to make sure his needs are met by the new proposal. Related issues:
 - Add Window parameter to StdFunctional in addition to VecLocation to enable alternative to branching on data capture (one or the other method may be used depending on tester hardware).
 - Window: provide syntax that describes, e.g., every 64th vector (or vector range).
 - Extend STIL.0 to have a record data (10) waveform character (least favorite suggestion).
- RESOLVE disparity between lines:
 - Line 1153: "The reference, a SignalMap statement, specifies which SignalMap block shall be used to map the device signals to tester channels"
 - Line 1200: Only one SignalMap allowed as per current syntax, i.e., put a + sign at the end

Action Items:

- Ric: propose a data capture alternative.

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: 08/12/14.

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>