

1450.4 meeting minutes – 04/29/14

Attendees: Ernie Wahl, Jim O'Reilly, Ric Dokken (offline discussions), Mitsuo Fujii (offline discussions)

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

Agenda:

- Review section 6.11.2.8 PatternExec semantics.
- Review section 6.10.6 requirements for using PatternExec as a StdPatternExec test parameter.
- Review section 6.5.1 SignalMap block syntax and integrate descriptive text proposal. Review location in skeleton and potential dependencies (Annex F.1).
- Refine wording: a "STIL.4 compliant" tool accepts all legal STIL.4 syntax, supported syntax in accordance with specified semantics.
- Review section 6.11.2.3 Signals syntax reduction (near lines 5143, 5267) prompted by the examples near line 5422. Revised syntax maintains all previous information albeit in an easier to read form.
- Section 6.11.3.2, ref STIL.1/STIL.4 shared memory, special attention to initialization sequence.
- Annex A Name Spaces
- Annex C Event Sequence
- Annex F Block Sequence
- Section 6.9 Binning: review syntax after rescinding hard bin counters. See near line 3591.
- 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.

Summary:

Line numbers if any are with regard to STIL.4 syntax document dated April 28, 2014.

- Offline discussions and revisions of SignalMap syntax and explanation section.
 - Resolved interaction of global SignalMap and Device block with global SignalMap block.
 - Absence of a SignalMap statement in TestProgram block does NOT imply use of the unnamed SignalMap block (as is the case for some other parts of STIL). Instead, must refer to the global SignalMap block (if it exists) by using the statement SignalMap Unnamed; in the TestProgram block.
 - Presence of SignalMap in TestProgram will override any Device blocks (and ChannelMaps) that may exist.
 - Absence of SignalMap will then defer to Device block (and ChannelMap) if it exists.
 - This way, one can easily switch between the use of SignalMaps and Device blocks by including or removing (commenting out) the SignalMap statement.
- Section 6.11.2.3:
 - Line 5083: Change metatype *stil4_attributes* to metatype *stil4_sig_attr*s (for clarity, as it refers to additional signal attributes)
 - Line 5143 - 5144: ACCEPT changes in syntax for Pads statement of *stil4_sig_attr*s.
 - Line 5148: ACCEPT (Environment *env_stmt*)
 - Line 5157: ACCEPT (CktType Dynamic)
 - Line 5166: ACCEPT with change: drop "Optionally specify time?" (CktType Dynamic)
 - Line 5170 - 5177: ACCEPT (*env_stmt* explanation)
 - Line 5267 - 5275: ACCEPT (*pad_attributes* syntax – used with Pads statement of *stil4_sig_attr*).
 - Line 5285 - 5326: DELETE (removed previous clumsy syntax for Pads statement and *pad_attributes*)
 - Line 5337: DELETE (delete Node NODE_NAME statement from *buf_attributes*; moved to *buf_stmt* of *pad_attributes*)
 - Line 5383 - 5384: DELETE (explanation of Node NODE_NAME statement)
 - Line 5366 - 5367: ACCEPT (Levels attribute keywords (IIH, IOL, etc.) of *buf_attributes* apply only to signals that are NOT of type Power or Ground)
 - Lines 5378, 5393: ACCEPT (GroundRails, PowerRails keywords of *buf_attributes* apply only to signals that are NOT of type Power or Ground).
 - Line 5422 – 5440, 5444-5486: Code example (and explanation) of use of Pads statement in signal attributes. ACCEPT with change: omit pad-count on one Pads statement
- Section 6.11.2.8 (PatternExec integration into 1450.4)
 - Line 5789: ADD: In order for spec variable references to be unambiguous, a specific spec variable name shall be defined only once in all the categories selected.

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Action Items:

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: 05/06/14.

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