1450.4 meeting minutes – 10/28/14

Attendees: Ernie Wahl, Jim O'Reilly, Ric Dokken, Carey Garrenton, Scott Franzen
Not present: Greg Maston, Paul Reuter, Markus Seuring, Oleg Erlich, Julia DiChiaro,Ajay Khoche, Mitsuo Fujii

Agenda:
- Document reorganization:
  - Ric: syntax document outline proposal.
  - Jim: updated Dave Dowding hierarchical diagrams.
- 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:
  - We recently removed attribute keyword "units" as the STIL.0 spec-variable constraint mechanism. Apply new STIL.0 spec-variable constraint mechanism to STIL.4 types General, Limits, SpecVariable? Initialization to e.g., None or NoneA is now used for STIL.0 spec-variable.
  - Line 5640: include recommendations regarding, for within a Spec:
    - Specifying different variables in different categories?
    - Specifying different variable definition sequence in different categories?
  - Line 4822, 4848: consider Enum (quantifyable and extensible) for App (application)
  - Line 3995, Table 13: convert(string)
  - Line 3116, Table 5: constraint Type (<Timing|DCLevels>)
  - Line 2752: var_assignment_stmt
  - Line 1214 Table 1, 3060: add TestExec
- 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.
- Ric Dokken to provide a complete test program for Annex G.2.
- 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.
- 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 Oct. 27, 2014.
- Reviewed revised top-level diagrams provided by Jim O'Reilly. Consensus was that the diagrams accurately reflect our intent. The following comments were made, however.
  - In the second figure, which shows the Device block, re-arrange elements to show the Device block at the top of the hierarchy.
  - Compact the figures so that they can be easily represented on a portrait-oriented, rather than a landscape-oriented, page, and remove the color fills – the ultimate rendering will be in black-and-white.
- Start file Tabled.txt to capture:
- Issues to be addressed later.
  - Mappings, i.e., suggestion was "Don't continually change current syntax document heading numbers and/or titles, because it's disorienting. Gather mappings first, then change current syntax document in accordance.
- Add top-level headings:
  - Map: STIL.4 6.5.3 "Token length" -> Top-level heading: Extensions to STIL.0 clause 6.6 "Token length
    - Captured in Tabled.txt
- Map: STIL.4 6.5.3 "DCSequence" -> Top-level heading: Extensions to STIL.2 clause 12 "DCSequence block
  - Counter-proposal to the above: Event Sequence to include DCSequence and perhaps be moved to under EntryPoint.

Action Items:

- All: Review and comment on Ric's suggested outline update, with sections to retain and sections to delete.

Completed Action Items:
- Ernie: remove data-capture and DFM related text
  - **Done**
- Jim: provide updated Dave Dowding hierarchical diagram
  - **Done**
- Ric: provide syntax document outline proposal
  - **Done.**

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-Cl9RFKpPrPDzw&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: 11/04/14.
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