

1450.4 meeting minutes – 04/01/11

Attendees: Ernie Wahl, Paul Reuter

Not present: Oleg Erlich, Jim O'Reilly, Ajay Khoche, Markus Seuring

Agenda:

- IEEE Meeting Preamble (No discussion of proprietary information).
- Continue work on section 7.6 "Variables and Expressions".

Summary:

- Recommended support of the following mathematical functions:
 - `eval(mx)`
Evaluates mathematical expression argument inline and returns a single literal value or an array of literal values if `mx` represents an array.
 - `min|max(mx,mx...)`
Returns a single literal minimum/maximum value from mathematical expression variable-length argument list. Includes array elements in comparison if one or more arguments represent an array. All arguments shall have matching units.

NOTE: argument list is not defined in STIL.0. or STIL.1. If Flow extension appears in the header, then STIL.0 and/or STIL.1 parsers shall use this definition.

- Group to consider supporting `sin(mx)`, `cos(mx)`, `tan(mx)`, `abs(mx)`, other ? What do mixed signal testers support ?
NOTE: `mx` is mathematical expression
- Near line 1645 added eval example:
`Seconds n = eval(0.9*prd); // Stores expression 0.9*10ns or 9ns`

Actions:

- All WG Members: Please review proposals for following functions: `eval(x)`, `min(x,y,...)`, `max(x,y,...)` and cast your vote (before next week's meeting) on whether or not to include them.
- All WG Members: Please review proposals for following functions: `sin(x)`, `cos(x)`, `tan(x)` (and other trig functions), and `abs(x)`, cast your vote (before next week's meeting) on whether or not to include them.

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/1zVu2M8nTJsrn0nFbBhiuM8-YRt4ErYqdy_uSa3x3_T4/edit?authkey=CLrgwrsG#

Next meeting: 04/8/11

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>