

1450.4 meeting minutes - 02/07/08

Attendees: Doug Sprague, Jim O'Reilly, Ernie Wahl, Bruce Parnas,

Not present: Ajay Khoche, Jose Santiago

Agenda:

- Preamble:
 - Record Meeting (*2)
 - To listen to the meeting recording, do the following:
 - Call the (US) dial-in numbers 1-877-421-0003 (toll free) or 1-770-615-1374 (toll)
 - Enter the passcode code 747464
 - Once dialed in with the proper access code, enter *3 (star 3)
 - Then enter the file number 52851301 for this conference (this number will change each week).
 - Press 1 to listen to the conference.
 - IEEE Meeting Preamble (No discussion of proprietary information).
- Review syntax proposal for iteration to spec/cat in dot0 (Jim sending)
 - Jim reviewed syntax proposal for iterating across cats in a spec block
 - 2 forms of Spec in dot0 (spec/categories/variables or spec/variables/categories – see section 19 – Spec and Selector blocks – of IEEE 1450-1999)
 - Assumptions, both forms are basically same and when multiple categories are specified, they all have the same variables
 - Proposed new constructs
 - For spec/category/variable hierarchy form
// get number of categories in spec block
SPEC_NAME.**NumCategories**

// indexing to get name of ith category in spec block
SPEC_NAME.**Category[i].Name**

// get number of variables in spec block/category (should be the same
// for all categories in a spec block)
SPEC_NAME.**Category[i].NumVariables**

// indexing to get name of jth variable in ith category in spec block
SPEC_NAME.**Category[i].Variable[j].Name**
 - For spec/variable/category hierarchy form
// get number of variables in spec block
SPEC_NAME.**NumVariables**

// indexing to get name of ith variable in spec block
SPEC_NAME.**Variable[i].Name**

// get number of categories in spec block/variable (should be the same
// for all variables in a spec block)
SPEC_NAME.**Variable[i].NumCategories**

// indexing to get name of jth category in ith variable in spec block
SPEC_NAME.**Variable[i].Catetory[j].Name**

- Review document on how other languages do spec/cat/selector.
 - Jim went through a description of how other languages do this
 - OTPL
 - Envision
 - ASAP
 - SmarTest
 - Stylus
 - Document outlining these different approaches is not yet complete. When complete, will be distributed and posted to the website.
- Discussion of potential issues with how dot0 deals with spec/category/variables and whether variables with the same name can appear in multiple spec/category blocks
 - Need to do more study here to determine rules of dot0 and how we may need to make any changes to properly deal with accessing this information and syncing with binning info
 - Need to flesh out a proposal for change to dot0, which would not break existing dot0 but would allow it to be extended with the proper hooks sufficient for dot4 constructs
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Action Items:

AI02: Jim to complete and send comparison of how other languages deal with spec/category/variable hierarchy.

Next meeting:

- Next meeting 02/14/2008.

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>

Updated todolist:

----- Latest High Level Dot4 Todolist -----

- Binning (Ernie)
- Runtime Variables (Doug)
- PatternExec constructs (Jim)
- Bypass (in PreActions) syntax and semantics (Jim)
- TestBase (Jim)
- Input/Output Interface? (Ernie??)
- Writing/Reading to/from screen, files
- Interfacing to Shmoo Plotting
- MultiSite (??)
- Standard Predefined Test Methods (Ernie)
- Datalogging Interface? (Ajay)
- Process (Jose, Doug, Jim)
- Framemaker Documentation (Jose)
- Integration with Other 1450 Specs (??)