

1450.4 Meeting Minutes - 05/15/08

Attendees: Doug Sprague, Ernie Wahl, Ajay Khoche, Jim O'Reilly,

Not Attending: Kevin Coggins, Jose Santiago, Bruce Parnas,

- Preamble
 - Record Meeting (*2)
 - To Listen to recording of meeting:
 - Call the (US) dial-in numbers 1-877-421-0003 (toll free) or 1-770-615-1374 (toll)
 - Enter special playback passcode: 747464
 - Once in, enter *3
 - Enter file number for this specific meeting: 82261601
 - Enter 1 to listen to the conference call
 - IEEE Meeting, no discussion of proprietary information
- Review previous open action items
 - Deferred to next week
- Discuss some open issues with StdTypeExample.txt (Ernie)
 - Briefly discussed document Ernie sent
 - Discussed rename of TestBase keyword to StdBase, for now the plan is to keep names as is
 - Discussed the need for a mechanism for user extension of TestBase
 - Need to have a side meeting offline to discuss some of these issues. Doug to coordinate setting up a side meeting for the following week
- Discussed ContinueOnFail usage in BinDefs vs a new "Runtime Switches" construct (Jim)
 - Jim has taken results of binning discussion from last week made updates to the syntax document.
 - New document out on website as D19 version
 - Added revision section at the top of the syntax document.
 - Discussed ContinueOnFail
 - Current languages don't do this with binning attributes
 - Should possibly set it at a global level, or a per test basis, or at the TestProgram level.
 - Need to look at what other languages do, and figure out how/where we best provide this functionality
 - Discussed about TestProgram and EntryPoints having parameters passed in
 - Possibly a standard set of variables for any test program... where ContinueOnFail would be a variable at this level.
 - Jim to look into this as how other languages do this and come back to the group with a proposal ... leave open for now.
 - Continued review of latest EntryPoints document (Doug sent last week 5/8)
 - Started reviewing the changes in red

- Using new syntax for events where key word **On** and **<Event>** are now separated such as to allow UserKeywords to be used for different user defined events. Gives language more flexibility and is consistent with STIL extensibility goals.
- For phase one, the plan is to limit the number of events we provide to be only those which require the TestProgram to respond to from some higher level calling control program. This will simplify things greatly
- On Abort, On Calibration, On Exception, On SiteStart, On SiteEnd all move to Phase 2.
- Meeting adjourned, Start discussion with On Retest next time
- Next Meeting 05/22/08

Action Items:

- 02/28: Each sub-team lead to send task list for their team to Jose for inclusion in the project plan.
 - Ernie has sent %complete list
 - Doug has sent initial task lists for his two sub-teams to Jose
 - Jim to try to send his lists by the week of 4/10
- 02/28: Jose to merge current documents into new MS Word master document.
 - Still in progress, taking more time than initially thought
- 02/28: Jose to migrate reviewed issues into a new issues list, update based on previous discussion
 - Still in progress, has old list it from Jim, will try to send by Monday...
 - Moving to a spreadsheet which will be better
- 03/06: Ernie to move Standard Test Types documentation toward becoming an Annex in dot4 which would be a Proposal for Test Types
 - No master document yet to put this in as an Annex
- 03/06: Doug to address syntax of FuncExec (WG24b) and ensure consistency with STIL statement rules, as part of and integrating with other 1450 standards.
 - On Doug's task list, sent to Jose
- 03/06: Doug to address WG25 as part of Runtime Variables
 - On Doug's task list, sent to Jose
- 03/06: Doug to address new WG30 issue (Define before Use for Variables and BinDefs) as part of integration with other specs.
 - On Doug's task list, sent to Jose
- 03/06: Jose to add new WG30 issue to current issues list.
- 03/06: Jose to add a "Look Ahead" work item to the project plan timeline to ensure extensibility for phase 2 capabilities.
 - Jose attacking from both ends with project plan, will add this item at the end of the timeline for dot4.
 - This should be the last item in the project plan timeline, and we will get to it assuming time is available then

- 03/20: Doug to address array specification/indexing syntax as part of the Variables block issues to be resolved. Needs to account for the proper way to identify multiple tokens and how they are separated within the array bracket notation.
 - Added to Doug's Runtime Variables task list
 - Jim noted table 2, pg 57 of dot 0 indicates comma as a token separator for timing expressions, but that does not appear to be the case
 - Doug & Jim to get together on this item and bring something back to the group.
- 03/20: Jim to post previous binning work document to the dot4 website under quicklinks in docs for working group meetings. Shows other attributes which may be required for binmaps.
 - Ernie has the latest updates
 - Not on web yet, but Ernie has the latest...
 - Jim asked Ajay for Inovus manual for test flow and binning
 - Ajay, to send examples to Jim today
- 03/27: Doug to address adding new types: Unsigned, Char
 - Doug to get this into my task list
- 03/27: Ernie to put together alternative BinAndStop syntax/examples for discussion in subsequent meeting
 - Ernie has this done and will send out for review next week
 - Sent on 4/24
 - Need to review this in future meeting
- 04/03: Ajay to look into getting Inovus manual for test flow and binning
 - Sent examples to Jim on 5/1
- 04/03: Jim to update syntax summary document and send to Jose for inclusion into the master document
- 04/03: Doug to address in Variables, what happens when assigning integers to booleans, and in general, conversions
- 05/08: Ernie to make latest updates to Binning document as discussed in the 5/8 meeting (fig1, 2, & 6)
- 05/08: Jim to make updates to current master syntax document as discussed in the 5/8 meeting
- 05/08: Jose to add issues to new issues spreadsheet to address if NoBin properties are user settable
- 05/15: Doug to setup side meeting to with Jim and Ernie to discuss issues with StdTypeExample.txt and related syntax document changes
- 05/15: Jim to research what other languages do related to ContinueOnFail and bring proposal back to the WG on how to address this best

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>

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

NOTE: First person in list is sub-team lead

Phase 1 (Must Have for ballot!!)

- 1 Process (Jose, Doug, Jim)
- 2 Documentation (Jose, Doug, Jim)
- 3 Integration with Other 1450 Specs (Doug, Jim, Bruce)
- 4 Binning (Ernie, Doug)
- 5 Runtime Variables (Doug, Ernie)
- 6 PatternExec constructs (Jim, Ajay)
 - Don't force to a 1-1 relationship with test methods
- 7 TestBase (Jim, Jose, Bruce)
- 8 Standard Predefined Test Types (Ernie, Ajay)
 - Production Test Methods only for now
 - Need a basic functional test at a minimum
 - Tag to mark this as a functional test

Phase 2 (Can work around, but may pull some stuff into phase 1 if we have time)

9 MultiSite (??)

Issues...

- Have similar concept we have in
- How many different sites? Also, iteration and access to them
- Synchronization between sites for shared resources
 - parallel vs serial
- Allow for different flows per site?
- Need to Suspend, Disable, Enable sites
- Need to specify what program runs on what sites (assumes different dies being tested)
- Does this even belong in Test Flow??

10 Datalogging Interface? (Ajay)

11 Bypass (in PreActions) syntax and semantics (Jim)

- Package only, Wafer only issues

12 Interfacing to Shmoo Plotting (??)

- May want to do this as a high level construct that you associate with an instance of a test

13 Input/Output Interface? (Ernie??)

14 Writing/Reading to/from screen, files (??)