

#### 1450.4 Meeting Minutes - 05/22/08

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

**Not Attending:** Kevin Coggins, Jose Santiago, Ajay Khoche,

- 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: 75282601
    - Enter 1 to listen to the conference call
  - IEEE Meeting, no discussion of proprietary information
- Reviewed previous open action items
  - Updates below under **Action Items** including Jose's updates although he could not attend.
- Review recent syntax changes from side meeting with Ernie/Jim/Doug (Jim sending)
  - Added latest discussed softbin attributes in D19
  - Latest doc on web D20
    - Line 41: **Const** added
    - Line 202,203: **Operator** removed for now... move to phase 2
    - Line 458: New execResult & measureResult
    - Discussed having PASS or FAIL constants
    - Discussion to drop measureResult since not all tests will return measured results
    - Group voted to drop measureResult
  - Line 483: Return statement
  - Group agreed:
    - Drop lines 106, 108, 109
    - Move Reset to phase 2
    - Move Stop up to the action\_stmt
  - Need to describe better the semantics of Stop
    - May have to have different prescriptions per tester
  - Discussed SetBin and the known define before use... on Doug's list of things to address
- Meeting adjourned, start with EntryPoints next time
- Next Meeting 05/29/08

#### **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

- 5/22: Reminded group to submit any updates to Jose. Jose has a partial project plan in place.
- 02/28: Jose to merge current documents into new MS Word master document.
  - Still in progress, taking more time than initially thought
  - 5/22: Jose working on this next
- 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
  - 5/22: Jose has something to share with the WG for the 5/29 call.
- 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.
  - 5/22: Doug to coordinate to meet with Jim on this before next week
- 03/27: Doug to address adding new types: Unsigned, Char
  - Doug to get this into my task list
    - 5/22: Doug to be sure this got added to the his task list for Runtime Variables
- 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
- 5/22: Plan to review this at next meeting on 5/29.
- 04/03: Ajay to look into getting Inovus manual for test flow and binning
  - Sent examples to Jim on 5/1
  - 5/22: Jim still needs ref manual from Daniel Fan & Ajay
- 04/03: Doug to address in Variables, what happens when assigning integers to booleans, and in general, conversions
  - 5/22: Doug to make sure this is on his Runtime Variables task list
- 05/08: Ernie to make latest updates to Binning document as discussed in the 5/8 meeting (fig1, 2, & 6)
  - 5/22: Done
- 05/08: Jim to make updates to current master syntax document as discussed in the 5/8 meeting
  - 5/22: Done
- 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
  - 5/22: Held meeting, Reviewed at today's meeting... Done
- 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](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>

----- 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 (??)