

1450.4 meeting minutes - 02/28/08

Attendees: Doug Sprague, Jim O'Reilly, Ernie Wahl, Jose Santiago, Bruce Parnas,
Not Attending: 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: 27900601
 - Enter 1 to listen to the conference call
 - IEEE Meeting, no discussion of proprietary information
- Documentation/Process topics (Jose)
 - Working on getting sample format template out for sub-teams to work with before the next meeting
 - Moving current documents to the new MS Word format
 - Process:
 - Need input from each sub-team lead on items tasks to be done and estimates on how long they will take.
 - This is input for the project plan Jose is putting together.
- Brief update from sub-teams 5-8 on any team status (not deep dive, keep this session short and sweet)
 - Doug: 5 - Runtime Variables
 - Need to sync up current Variables and Parameters blocks with existing syntax in dot1.
 - Working issues with Ernie that have come out of his binning work
 - Strive to keep similar to dot1 as much as possible
 - Focus on making Variables and Parameters blocks as similar as possible
 - Note that Runtime Variables primarily relates to the Variables and Parameter blocks but also may include various predefined variables/constants required by constructs in the dot4 standards
 - Discussed briefly how we best identify constants and issue with how this blows up the number of types
 - Doug to send task list for this work item to Jose.
 - Jim: 6 - PatternExec
 - Doing a lot of good background analysis on what other languages do in this space. InVision, Stylus, OTPL,...

- This work will factor into how we do things in dot4
- New areas on the website “Quick Links”, docs for working group meeting, Issues/Resolution doc
- A couple of comparative analysis docs, spec/category & exit port arbitration, working on 3rd one is otpl binning.
- Focusing on spec/binning areas
- More updated information going out there over the next week or two.
- Jim to work to list of tasks for this work item to Jose.
- Jim: 7 - TestBase
 - We are in basic agreement on syntax, some remaining questions
 - <http://grouper.ieee.org/groups/1450/dot4/P1450.4-D18-syntax-summary.pdf>
 - What are the default elements of testbase? Pg 9
 - These may need a little tweaking
 - Basic stucture is pretty well set
 - There has been a lot done here in the past
 - There is some redundancy that needs cleaning up
 - pg 10, set of default for flownode, line 426, needs a bit more work
 - Need example to help demonstrate flow constructs, simple NO OP test type
 - Line 338, proposal, how to wrap all things into one block
 - Need more examples
 - May need to do more work to do in return values
 - Jim to send list of remaining tasks to Jose for this work item.
 - Right now, issues with FailBin, Should line 415 be more explicitly stated as what line 418 says... So line 415 becomes:
 - **If (FailBin != Undefined) { SetBin FailBin; }**
 - WG voted and approved this change
- Ernie: 8 - Standard Predefined Test Types
 - Conceptual document sent to Ajay for review, no reply yet
 - Will send document to full team for review
 - Working on conceptual, syntax, & use-cases
 - Had discussion on use-cases and how many we should require. No set amount but need good coverage in usage areas.
 - Discussed specification as a whole, concerns about current D18 document, need more detailed semantics beyond the BNF. Much more needed here. Ex: What triggers an entry point. Reprobe also...discussed as an example...

- Ernie to send list of tasks to Jose for this work item
- Quick scrub of existing issues document, determine which to bring into master document (Jose)
 - Team put issues and
 - Vote OUT if not needed for phase 1 but rather for phase 2
 - Vote RESOLVED if issue is currently resolved and reflected in current documentation
 - Vote IN if issues needs to be resolved for phase 1, or if it is unclear if it is OUT or RESOLVED
 - Doc: http://grouper.ieee.org/groups/1450/dot4/P1450-4_WG_IssuesResolutions.pdf
 - RESOLVED: WG01-08, EW01, EW02, WG12, WG14, WG15, WG16, WG17, WG18, WG19, WG21, WG22, DS01
 - IN: WG09, EW03, WG11, WG20 (needs to be revisited and sync up resolution and syntax)
 - OUT (Phase 2): WG13, EW04
 - Finish rest of list next time, starting with Issue JS01. Try to work through with emails prior to next meeting.
 - Jim to send source for this issues list to Jose for inclusion in his new documentation.
- Next meeting 0306/2008

Action Items:

- Each sub-team lead to send task list for their team to Jose for inclusion in the project plan.
- Jose to merge current documents into new MS Word master document.
- Jose to migrate issues reviewed into a new issues document, maybe part of the project plan?
- Jim to send source for latest issues/resolution list to Jose

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, 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 (??)