

## 1450.4 meeting minutes - 03/06/08

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

**Not Attending:** Jose Santiago, Bruce Parnas, 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: 27661001
    - Enter 1 to listen to the conference call
  - IEEE Meeting, no discussion of proprietary information
- Review previous action items (Doug)
  - Each sub-team lead to send task list for their team to Jose for inclusion in the project plan.
    - Jose has not yet received input from the sub-team leads
  - Jose to merge current documents into new MS Word master document.
    - Jose out sick, still working on this
  - Jose to migrate issues reviewed into a new issues document, maybe part of the project plan?
    - Jose out sick, still working on this
  - Jim to send source for latest issues/resolution list to Jose
    - Done
- Complete scrub of existing issues document, beginning at issue JS01 (Doug)
  - Address as: IN, OUT, or RESOLVED
  - [http://grouper.ieee.org/groups/1450/dot4/P1450-4\\_WG\\_IssuesResolutions.pdf](http://grouper.ieee.org/groups/1450/dot4/P1450-4_WG_IssuesResolutions.pdf)
  - JS01,02, EW05,06: RESOLVED
  - WG23: IN, goes to Standard Test Types (Ernie's sub-team)
    - Discussion followed about Standard Test Types and Dot5
    - Discussed motivation for Dot5, and what Dot4 should cover in this area.
      - Should Standard Test Types doc become an Annex?
      - WG agreed this should be the approach, that Standard Test Types becomes an Annex in the standard
      - Al: Ernie to move Standard Test Types documentation toward becoming an Annex which would be a Proposal for Test Types
  - WG24, WG11: IN, Discussed allowing Inherit TestBase and removing the UseDefaults in the current D18 draft on lines 265 & 284.
    - WG agreed that Inherit TestBase should be allowed and that UseDefaults goes away.

- AI: Jim to update syntax accordingly to indicate that Inherit TestBase is allowed and recommended, but not required. Also, Remove the UseDefaults keyword as an option on Line 265 & 284.
- WG24b (note...2<sup>nd</sup> WG24 in the list): IN, Lines 123 & 272 in D18 doc, seems to maybe be inconsistent with other dot0, dot1 specs.
  - AI: Doug to address syntax of FuncExec (WG24b) and ensure consistency with STIL statement rules, as part of and integrating with other 1450 standards.
- NOTE: Jim had to leave at this point (1hr Mark -- 4:30PM EST). Just Doug/Ernie for the remainder of the meeting
  - WG25: IN, needs to be addressed as part of Runtime Variables
    - Ernie and Doug both agree that Variant B would be preferred.
    - AI: Doug to address WG25 as part of Run Time Variables
  - New Issue WG30: The dot 4 language should not require 2 pass parsing. Needs to ensure "Define before Use" consistency with other 1450 specs.
    - AI: Doug to address new WG30 issue (Define before Use for Variables and BinDefs) as part of integration with other specs.
    - AI: Jose to add new WG30 issue to current issues list.
  - WG26-28: IN, need to verify with WG that these are resolved in latest documentation
  - WG29: OUT...phase 2
- Need work item put into project plan to "look ahead" at phase 2 items and to the best of our ability, ensure the current spec allows for extension to handle these future items
  - AI: Jose to add a "Look Ahead" work item to the project plan timeline to ensure extensibility for phase 2 capabilities.
- Meeting adjourned
- Remaining Agenda items for next meeting...
  - Continued Binning document review (Ernie)
  - Variables block issues comparing to other standards (Doug)
  - Standard Test Types (Ernie)
- Next meeting 03/13/2008

#### **Action Items:**

- 02/28: Each sub-team lead to send task list for their team to Jose for inclusion in the project plan.
- 02/28: Jose to merge current documents into new MS Word master document.
- 02/28: Jose to migrate reviewed issues into a new issues table in project plan or master document.
- 03/06: Ernie to move Standard Test Types documentation toward becoming an Annex in dot4 which would be a Proposal for Test Types
- 03/06: Jim to update syntax related to WG24/WG11 to indicate that Inherit TestBase is allowed and recommended, but not required. Also, remove the UseDefaults keyword as an option on Line 265 & 284 of D18.

- 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.
- 03/06: Doug to address WG25 as part of Runtime Variables
- 03/06: Doug to address new WG30 issue (Define before Use for Variables and BinDefs) as part of integration with other specs.
- 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.
- 03/06: Jim to send latest updated syntax and issues/resolutions docs to Jose for updates to master documentation.

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 (??)