

P1450.4 meeting minutes - 02/01/06

Attendees: Dave Dowding, Ernie Wahl, Bruce Parnas, Jim O'Reilly,

Not present: Doug Sprague, Jose Santiago, SB Thum, Tony Taylor, Steve Lill, Daniel Fan, Greg Maston, Jim Mosley, Bob Roberts, Oscar Rodrigues

Agenda/Summary:

- Change time of conceptual model TWG call to Tuesday 4:00 pm, PT, 5:00 pm MT, 7:00 pm ET, 7:00 Malaysia.
- Continue review of Conceptual model <-> syntax document terminology mapping ("Rosetta Stona")
 - Document available on STIL.4 website, under "Proposals and Working Documents" section.
 - Recap decisions from last meeting.
 - CM = Conceptual Model, SD = Syntax document
 - TestExec (syntax) in FlowNode and TestModule
 - In the FlowNode will use TestExec in CM and SD.
 - For later discussion what to do with TestExec in the TestModule.
 - PreActions/PostActions. No difference between CM and SD. No action needed.
 - SkipPath in CM, Bypass in SD.
 - Decision to use Bypass in both CM and SD.
 - Ernie gave caution to the closeness to the "Pass" keyword in the .4 syntax (if searching for Pass, will flag Bypass as well if search is not carefully constructed).
 - Also, slight difference in behavior noted:
 - Bypass only bypasses the test with a simulated return value; the arbiter and outcome-specific post-actions (and perhaps the common post-actions) are executed.
 - SkipPath bypasses everything and goes immediately to the TestModule output or the specified FlowNode ExitPort.
 - Do we need both behaviors?
 - Continue from where we left off after last week:
 - Arbiter (CM) is represented as a series of Boolean expressions (in ExitPorts block) in Syntax
 - Ernie suggested some type of Port Tagging or Labeling, which would accommodate the SkipPath behavior described above.
 - Jim thinks it is a mistake to use ExitPorts in both TestModule and TestFlow. Conceptually, these represent to similar, but NOT identical constructs
 - ExitPorts implies branching, and is appropriate for FlowNodes
 - However, in TestModule, NO branching occurs (even though there are two – or more? – outcome-specific action paths). In this case, another keyword, such as ExitActions, ExitPaths, ReturnState, or ? would be more appropriate.
 - Discussion about how many ExitActions to allow in TestModule and TestFlow (only two – Pass or Fail – or an arbitrary number).
 - Decision was to use only Pass or Fail – most, if not all, testers will support these, and if a tester supports more than just these, they can easily be mapped to Pass or Fail.

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>