

1450.4 meeting minutes – 06/04/09

Attendees: Bruce Parnas, Jim O'Reilly, Ernie Wahl, Ajay Khoche, Markus Seuring

Not present: Ajay Khoche

Agenda:

- IEEE Meeting Preamble (No discussion of proprietary information)
- Meeting minutes from most recent meeting (05/07/09) are now posted on the web.
- Continue discussion of binning. Most recent version of binning document is on the web, as is the most recent version of the syntax document (no changes since last week).
 - Issues to discuss:
 - hard bins as a simple integer, or a more complex construct
 - Ability to support multiple types of binning strategies
 - single bin assignment from a list
 - multi-bin assignment
 - Disqualify binning (i.e., Teradyne Image)
 - As necessary, we'll use Ernie's binning document as reference.
 - **Resolution:**
 - Will have no distinction between the structure of soft bins and hard bins. The difference will come in how they're used in the bin map.
 - Update the test program block to specify which Bindefs block is used for soft bins, and which for hard bins.
 - It is not allowed, in the binmap, to use a bindef specified as a hardbin in the softbin part of a binmap statement, nor to use a bindef specified as a softbin definition in the hardbin part of a binmap statement.
 - Binmap statement in syntax will be updated to reflect the fact that hardbins are now full bin constructs, instead of simply integers.
 - When bin names are unique within a Bindef (across the Pass and Fail groups and also across all axes from both the pass and fail groups in the bindef), the bins can be referred to by either the soft or hard bin name, or by the soft or hard bin number.
 - Agreed on need to support multiple binning strategies. Syntax (in actions statements) for dealing with setting of bins needs to be addressed. We have the following scenarios:
 - Setting one or more bins, clearing any bin(s) not specified to be set
 - Setting one or more bins, leaving any previously set bins unchanged.
 - Clearing one or more bins
- Discussion of syntax document open issues list. Issues list (showing resolved and unresolved issues) is also on the web.
- Open issues - are there other open issues that should be considered? A review of the open issues list can guide us here.
 - (http://spreadsheets.google.com/ccc?key=pEI1-gPUmt2ZTw_kcCTgnKw&inv=jim_oreilly@ieee.org&t=933048453488551871&guest).
 - If logged into your google account, can edit. If not, can only view.
- Other?
- Actions:
 - Jim:
 - Finalize proposals for handling spec/category/spec variable dot0-dot4 integration (in progress)
 - Query the users of various systems to learn more about binning on those systems. Primarily, the older Advantest and Credence systems, and also some of the Teradyne analog/mixed-signal systems (A5XX, Catalyst).

- Summarize the binning capabilities of the various systems being studied for this effort.
- Jim/Ernie:
 - Update binning and syntax documents to reflect decisions made regarding binmap syntax (ongoing per discussions).
- Bruce:
 - Review and update TestBase proposals.
 - Distributed. Will be discussed in the coming weeks.
- Next Meeting 06/11/09.

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>