

Minutes for IEEE 1149.1 Working Group Meeting 07Aug12

Meeting commenced at 10:36AM.

Attendees: Adam Cron, Adam Ley, Bill Bruce, Brian Turmelle, Carl Barnhart, Caro Pyron, CJ Clark, Craig Stephan, Dave Dubberke, Dharme Konda, Hugh Wallace, John Braden, Josh Ferry, Ken Parker, Peter Elias, Rich Cornejo, Sam McMillan, Wim Driessen

No LOAs were required. All WG members were silent.

Carl addressed the group to discuss the draft status. Carl still has to integrate the init stables and some IEEE1500 PDL sample code. Then pre-ballot draft will be ready for review.

Hugh brought up a new issue for people who can't handle special characters.

Carl shared the INIT spreadsheet that Ken has been drafting. Ken talked to the spreadsheet. 2 additional blue rows were added to the spreadsheet to demonstrate the handling of excludable segments.

Carl mentioned that the controls for the includable segments are included in the boundary register.

Carol said that a segment may be controlled by the boundary register and the INIT_DATA register.

Carl will update table to reflect the use of the TMP controller.

CJ asked the WG if anyone objected to including the table in the specification. Carol said that it would be helpful. No objections.

Carl will make a few changes to the table and include the table in the standard.

Carl addressed the inclusion of the IEEE 1500 examples in the standard.

CJ talked to the wrapper around the core. You are forced to use iApply in a test procedure to force the update before looking at the capture data.

Carl moved to "proceed to ballot when the editor is ready". Carol seconded.

Carol said that we should have a discussion on what occurs during the next few weeks.

CJ said that Carl issues a PDF of the ballot draft. The pre-ballot draft will be ready very soon.

CJ reminded the group that many of the sections have been written for a long time. The new 1500 sections have been around since June. We can get into tweak death if we get bogged down in the wording. CJ mentioned the timeline and that we need to be done at some point.

Bill Bruce is not in favor of the motion. We need a few weeks to look at Carl's latest changes.

Carl states that he will not go to ballot until he is ready.

Bill says that Carl should give 2 weeks after issuing the pre-ballot draft before going to ballot. Carl says that the process will likely take a few weeks to get done.

Bill Bruce said that the motion should be reworded.

Carol said that she trusted the editor to know when he is done.

Hugh hears Bill Bruce's concern, but Hugh says that as long as there are a couple of weeks after the pre-ballot draft and before ballot, then things are ok.

Adam Cron agrees with Hugh. Let's vote every week to make the current draft final.

John Braden says that everyone in the WG should give the thumbs up to the draft.

Carl responded with the concern of an open-ended timeframe. The motion gives a confidence level to the current doc. Motion puts a mark in the sand that it's time to finish the draft.

CJ stated that the work in the WG s done with volunteer time. There is need for cutoff. How much more time can Carl give to the WG. Some people are running out of steam. The motion allows the editor to decide when to go to ballot. Gives Carl more authority.

Motion to submit draft for balloting when editor is ready

Wim Driessen – Abstain	Hugh Wallace – No	Carl Barnhart - Yes
Rich Cornejo – Yes	Dharma Konda – Yes	Brian Turmelle – Yes
Peter Elias – No	Dave Dubberke – Yes	Bill Bruce – Yes
Ken Parker – Yes	Craig Stephan – Yes	Adam Ley – No
Josh Ferry – Yes	Carol Pyron – Yes	Adam Cron – No

10 Yes, 4 No, 1 Abstain – Motion Passes.

CJ suggested the meeting take up new business.

Hugh wants to speak about mnemonic identifiers. Hugh proposed to include a table to substitute the special characters with standard text.

Carl said that other tools already handle these special characters.

Hugh said the table is useful for tools that do not handle the special characters.

CJ commented that there is a fundamental problem with the examples. No example here shown for iWrite and iRead. Tcl eval can only be done with Tcl variables. Mnemonics are only used with iWrite and iRead. Mnemonics are text strings and are not used with the Tcl eval command.

Hugh responded to CJ that the mnemonics can be used to represent a number and the values should be able to be used in an expression. This is a big difference from iJTAG (IEEE P1687).

Carl said that if you want a value, then you perform an "iGet HEX" to return a value and not a mnemonic.

Bill Bruce wanted to know how this table would be used.

Hugh said that the special chars would be replaced with reserved text strings.

CJ said that the substitution can be done with a simple Tcl String. Hugh said that it is a simple character substitution.

Carl sees the conversion as a tool issue.

Carol questioned the use of a mnemonic in an eval statement. Does he plan to overwrite a BSDL-defined mnemonic? The mnemonic as a number representation is helpful to manipulate the data.

Carol stated that the mnemonic is used to set a group of bits to a certain value. A mnemonic can not be gardbanded.

Hugh mentioned about his prior introduction of units. Hugh wants to use a mnemonic name and multiply that by a value.

Further discussion of issue taken to reflector.

Meeting adjourned 12:05PM.