IEEE 1149.1- 2012 JTAG Working Group Minutes

Date – 02/14/2012

Attendees: CJ Clark, Adam Cron, Adam Ley, Bill Eklow, Bill Tuthill, Brian Turmelle, Carl Barnhart, Carol Pyron, Craig Stephan, Dave Dubberke, Dharma Konda, Francisco Russi, Heiko Ehrenberg, Hugh Wallace , Jeff Halnon, John Seibold, Josh Ferry, Ken Parker, Peter Elias, Rich Cornejo, Roger Sowada, Roland Latvala, Sankaran Menon, Ted Eaton, Wim Driessen,

Missing with pre-excuse:

Missing: Bill Bruce, Brian Erickson, Kent NG, Lee Whetsel, Matthias Kamm , Mike Richetti, Neil Jacobson, Ted Cleggett, John Braden,

Agenda:

1) Patent Slides and Rules of Etiquette
2) Use LiveMeeting "Raised Hand" to be recognized and take the floor
3) Quickie PDL1 overview
4) Editor's motion for draft
5) Secret Valentine Exchange

Meeting Called to order at 10:37am EST

Minutes:
Review Patent Slide – Slide Presented to the Group.
        Solicited input from anybody who is aware of patents that might read on our standard.
        No responses
Review of Working Group Meeting Guidelines
        No Objections

Overview of PLD1
CJ recuse himself as chair to present slides on PDL1

PDL0 is for load and go commands for tester.
1149.1 has from the beginning been used to provide more than just pass/fail.
        It has been used to make decisions based on failure. (Interactive mode)
        PDL1 allows tests to make decisions
Interactive mode requires use of iGET command
        -SO is return data
PDL1
        Is two commands (see table c-3)
                iGet
                iGetStatus
        All PDL0 commands

TCL (Tool Command Language)
CJ describes an example function use cases for PDL1
Temp Check
Voltage Check
ECID
IC Vendor for checking

No common language between vendor and engineer
Want to encourage common language
PLD1 is optional. You are still compliant if you don't support PLD1

IEEE1801
Use TCL in standard. Extended it with commands.
P1687
Provides some level of PDL1
Added –FAIL to iGet

Ted – wants to discuss iGet. SI and SO might not work with 1687 and that might not be what they pick.
Carl – if 1687 adopts this command we can look into alignment.

Adam L – agrees that PDL1 is necessary for complex diagnostics. Is there any effort to improve serial vector diagnostics in PDL0

Carl – need to look at the iSet –Fail command. That might fit with what you are looking for Adam.

Hugh –Concurs with Ted. Align with 1687
iFail has been brought up in 1687 which is for non miscompute data. Something bad happened.
1687 – Had presented PDL0.5. it is a small subset of PDL1. And these commands can be compiled. Faster tests and doesn't need a TCL interpreter.
Level 0 is very linear

Carl
iGet has –SO and –SI. Will try and sync with 1687 if possible after they decide what they are doing

Ken – where is capitalization important or not
Carl – rule that says PDL identifier and command names are case sensitive.
Ken -   dash options case doesn't matter?
Carl – no
Ken – any other cases
Carl – no. Just PDL identifier and commands

Hugh - comment on Expect. Has some parser complications. Stay with "EXPECT" being case sensitive. It might be less complex.
CJ – There are ways to make the EXPECT not be case sensitive. If you still have some concerns after we address that than we can dive into it. We can take that off line
Motion
Carl moves that PLD1, as embodied in clause c.4 from February 11th, be accepted as part of the standard subject to future technical and editorial changes.
Josh Seconds.
Ken – c.4 published when?
Carl – Fridays' versions
Hugh – version of TCL be included. So you know what you are working with
Carol Calls question

YES – Bill E, Bill T, Brian T, Carl B, Carol P, Craig S, Dave D, Dharma K , Heiko E, Jeff H, John B, John S, Josh F, Ken P, Peter E, Roger S, Roland L, Wim D

NO – Ted E, Francisco R, Adam L

ABSTAIN – Hugh W, Rich C, Sankaran M,

18 Yes / 3 No / 3 Abstain
Motion Passes

Secretary had to leave early – 11:30am

Meeting adjourned: ??:?? EST.

Summary of Motions Voted on
1 Motions voted on
        PLD1 as embodied in clause c.4 from February 11th be accepted as part of the standard subject to future technical and editorial changes.
18 Yes / 3 No / 3 Abstain
Motion Passes

Next Meeting: 2/21/2012 11:00 AM EST

NOTES:

1149.1 working group website - http://grouper.ieee.org/groups/1149/1/

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