

Date – 6/15/2015

Attendees: CJ Clark, Adam Ley, Bill Tuthill, Bob Gottlieb, Brian Turmelle, Craig Stephan, Dharma Konda, Dwayne Burek, Gobinathan Athimolom, Jon Colburn, Marc Hutner, Mike Ricchetti, Tapan J Chakraborty,

Absent with Excuse:

Not present for $\frac{3}{4}$ of meeting:

Missing: Bill Huott, Carol Pyron, Jim Wilson, Kent Ng, Kevin Gorman, Tom Wayers, Heiko Ehrenburg, Dave Armstrong, Roger Sowada, Zahi Abuhanmdeh, Saman Adham, Teresa McLaurin, Philippe Lebourg, Ismed Hartanto, John Braden, Gurgen Harutyunyan, Steve Sunter, Josh Ferry, Frans de Jong,

Agenda:

- 1) Patent Slides
- 2) Walk through on draft V60
- 3) New business
- 4) Adjourn

Meeting Called to order at 11:03 am EST

Minutes:

Review Patent Slide – Slides Presented to the Group.

Solicited input from anybody who is aware of patents that might read on our standard.

No other responses noted.

Walk through draft V60 to review what was added

Added changes from the last motion

Table 6-1 updated

CH-select	0x05
Scan	0x06
Bond	0x07
USER	0x08

Table -6-2

Updated values for packet types

Section 6.6

New Channel Select packet

Was added due to motion during last meeting

IEEE 1149.10 High Speed JTAG Working Group Minutes

Note added that number of Scan Channels is large and not all will be used
Bandwidth provided by the HSTAP is divided up across scan-channels
Added specifications

Updated Table 6-7 64b/66b data formatting
Section 6.13 CH-SELECTR packet

Figures updated for Response packets

CH-SELECT packet.

No one seemed bothered by the size of the field for possible scan-channels per PEDDA
and scan-channels per SCAN packet

Compliance Verification

Ability to exercise and know what compliance checks are necessary
Helps the user know that if they apply these rules and checks that it is compliant with
p1149.10.

The Editor will spend time on the PDL section adding examples and description

Call for new business:

No one responded

Motion to adjourn: Jon

Seconded: Craig

Meeting adjourned: 11:40 pm EST

Next Meeting:

June 22nd, 2015 11:00am

Motion Summary

0 motions made

Action Items

~~*Bill Tuthill—10-21-2013—Add minutes and Attendance spreadsheet to the website.
CJ—11-11-2013—Reach out to ATE industry and Probe Industry to get
update on future of ATE equipment to see which data speeds and protocols they are
heading towards.*~~

~~*Philippe—Look into alternative method to create control information (pause, start,
terminate, etc.) rather than using K characters in packet.*~~

~~*Bob—create a case study to show use of Attributes*~~

IEEE 1149.10 High Speed JTAG Working Group Minutes

Frans—will start some block diagrams of a simple use case to help illustrate the current architecture

Dwayne—present to the group his ideas for a simplified scheme—Direct Interface.

Adam—invite someone from IEEE to speak on IEEE benefits of standardization at WG meeting

Call for Essential Patent notes

Adam Ley 12/1/2014

PN, TTL, AN

7348796, METHOD AND SYSTEM FOR NETWORK-ON-CHIP AND OTHER INTEGRATED CIRCUIT ARCHITECTURES, DAFCA INC.

Steve Sunter 11/17/2014

1. US 7610532 "Serializer/de-serializer bus controller interface" Avago, granted 2009
2. US 7739567 "Utilizing serializer-deserializer transmit and receive pads for parallel scan test data" Avago, granted 2010
3. US 8543876 "Method and apparatus for serial scan test data delivery" Altera, granted 2014

NOTES:

1149.10 working group website - <http://grouper.ieee.org/groups/1149/10/>

Here is the WebEx conference link.

<https://meetings.webex.com/collabs/meetings/join?uuid=MAG12PB7HN5W24AM2EOKIOM9KS-KERT>

You can use VOIP on your computer or dial-in using the phone number below.

Audio Connection

+1-415-655-0001

Access code: 194 196 960