

IEEE 1149.10 High Speed JTAG Working Group Minutes

Date – 08/03/2015

Attendees: CJ Clark, Adam Ley, Bill Tuthill, Bob Gottlieb, Brian Turmelle, Dharma Konda, Gobinathan Athimolom, Jon Colburn, Josh Ferry, Mike Ricchetti, Tapan J Chakraborty,

Absent : Craig Stephan,

Absent with Excuse:

Not present for ¾ 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, Frans de Jong, Marc Hutner, Dwayne Burek,

Agenda:

- 1) Patent Slides
- 2) Review changes in V66. Draft posted to website. Provided differences between v64 and v66 on website also

Meeting Called to order at 11:04 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.

Review of v66

Section 7

Added wording for not using 1149.1 TAP and having the HSTAP always enabled

Updated Table 7-2.

When not using 1149.1

Skip attributes for TAP

Using tag <Not_Using_1149_1_TAP>

To give parser heads up that those attributes are not available

Tapan – if dot1 isn't available do you still use that tag?

CJ – yes.

Tapan – but “not Using” implies that the TAP is there.

Mike – maybe something like “NOT PRESENT” to

CJ – maybe 1149_1_TAP_IS_NOT_PRESENT?

Tapan – yes. More meaningful.

IEEE 1149.10 High Speed JTAG Working Group Minutes

Dharma – if you have 1149.1 compliant TAP what is the use case?

CJ – you would have to deliver the 1149.1 BSDL for compliance and add the HSTAP in the BSDL Extensions.

Fixed syntax to add token <quote> to grammar.

Updated HSJTAG Extension list.

- Not order dependent

- Added conformance statement.

 - Can have conformance for 1149.1 as well as 1149.10

Minor cleanup of syntaxes throughout section7

Packet_map Attribute - 7.4

- Needs to have grammar proven out

Call for New Business

Motion to adjourn: Brian

Seconded: Tapan

Meeting adjourned: 11:30am EST

Next Meeting:

August 10th, 2015 11:00am

Motion Summary

0 motion 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*~~

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

IEEE 1149.10 High Speed JTAG Working Group Minutes

***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