

Date – 04/28/2014

Attendees: CJ Clark, Bill Tuthill,, Bob Gottlieb, Brian Turmelle, Craig Stephan, Dave Armstrong, Gobinathan Athimolom, Jon Colburn, Josh Ferry, Tapan J Chakraborty, Zahi Abuhanmdeh,

Absent with Excuse :, Philippe Lebourg, Teresa McLaurin, Frans de Jong,
Not Present for $\frac{3}{4}$ of meeting:

Missing: Bill Huott, Carol Pyron, Jim Wilson, Kent Ng, Kevin Gorman, Saman Adham, Tom Waayers, Heiko Ehrenburg, Gurgen Harutyunyan, Dwayne Burek, Dharma Konda, Mike Ricchetti, Adam Ley, Ismed Hartanto, Marc Hutner, Roger Sowada, Steve Sunter,

Agenda:

- 1) Patent Slide
- 2) Review Frans' flow diagram
(As best we can without him being present)
- 3) Comments on Draft 10?
- 4) Review changes in Draft 11
 - a. Review adding 'count' to the RAW packet

Meeting Called to order at 11:00 am EDT

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 Response

Frans' flow diagram

Provides test engineering view

Slide 3 – ATE Test Entry Flow Diagram?

Slide 4 – Device 1149.10 entry flow diagram.?

Slide 5- Shows Optional ways into mission mode?

Dave A – is there a way through this that I can test it without Dot10?

Looked like if tap is there it automatically goes to DOT10 area.

CJ – interface has compliance. Not the part.

Nothing forcing you to use Dot10 even if it is there .

Dave A – diagram doesn't show how to go to traditional JTAG

CJ – don't' run InitSetup

Dave A- would be expecting to see that if you go to InitSetup and not get the right response you would branch back to JTAG 1149.1 flow

CJ – if there isn't a Dot10 interface there isn't an InitSetup for it.

Dave A – what if device has a Dot10 interface and Tester doesn't.. what happens in this case?

IEEE 1149.10 High Speed JTAG Working Group Minutes

CJ- If the part is 1149.1 compliant you would test it with that.

Bob – what is the concern for that feature?

Dave A- concerned that the add-ons for 1149.10 would hurt the traditional JTAG operation.

CJ –when you have 1149.1 interfaces you have compliance pins for Dot1 and you don't care about DOT10. If you don't support Dot10 mode you won't know how to get into it.

If you don't follow these sequences you won't get into Dot10.

Bob – Slide 5 shows that it isn't a serial operation, but options to get into 1149.10

CJ – Compliance Character should be Dashed – Optional

Slide 6 – 1149.10 Entry State Diagram.

Not sure of the intent of this slide. Will hold off til Frans is at meeting to discuss the slide.

Draft Review v11

Raw Packet

Added Count Value to let interface know that it is raw data and does not need to be decoded. Allows decoders to be re-engaged after the raw data has finished.

Bob – look for start of packet after the number of bytes are transmitted?

CJ – right. At that point it will start looking for SOP

Not Bytes but number of Words

Scan Packet

Added specifications.

Needs to put rules in for payload

Call for New Business

No new business

Motion to Adjourn: Bob

Seconded: Jon

Meeting adjourned: 11:45 EDT

Next Meeting:

May 5th, 2014 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~~

~~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.~~

NOTES:

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

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Notes

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