

Date – 04/07/2014

Attendees: CJ Clark, Adam Ley, Bill Tuthill, Bob Gottlieb, Brian Turmelle, Craig Stephan, Dharma Konda, Frans de Jong, Jon Colburn, Josh Ferry, Marc Hutner, , Mike Ricchetti, Roger Sowada, Steve Sunter, Teresa McLaurin,

Absent with Excuse : Philippe Lebourg,
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, Zahi Abuhanmdeh, Dwayne Burek, Dave Armstrong, Gobinathan Athimolom, Ismed Hartanto, Tapan J Chakraborty,

Agenda:

- 1) Patent Slide
- 2) Clause 5 Discussion and Q&A
- 3) Clause 6 Q &A
- 4) [New Business](#)

Meeting Called to order at 11:04 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

Clause 5

Parity on command defined in BSDL

Shall indicate the parity implementation on the CMD value at bit 7

Clause 7

Scan Channel Association

How to understand what channel is what value

Will let you assign a channel to a number so you can use the register definitions in BSDL to match a channel.

Allows the tool to group and count channels

Frans updated the flow diagram (sent to reflector - frans-flow2.pptx)

Slide 2

Test Engineering Review

Is how to look at it from the outside world.

Mission Mode or test CCA

Slide 3

Device perspective

This is the Flow after the Test

Block was answered yes. (from slide 2)f

Updated slide 3 to show “Receive compliance character” instead of “Send Compliance character”

Shows more the device perspective

Changed “Assert Compliance Pattern” to “React to compliance Pattern”

Bob – in mission mode when receive compliance character. Should we make “Receive Compliance Character” to reflect mission mode? (color Green)

Frans – all the questions in blue are in mission mode. And if someone activates it with a pin or compliance character you drop out of it into 1149.10 mode.

Frans – could redraw diagram and put all blue blocks inside a green block.

Marc – is there a synchronization needed if you are doing mission mode data when 1149.10 is turned on.

CJ – there would be some sort of flush needed.

Marc – was thinking IDLE packets were used. Diagram is good. Will layer it with more complexity as we go. The implementation complexity.

Marc – Worried that a test will start playing with TAP pins during IDLE packets (character) and confuse things.

CJ – the IDLE character should be the same during mission mode and test mode.

The K- Character

Marc – feels that we are using one context to change the context of another interface.

CJ – if you are using a compliant character that is easy. But if asserting the compliance pins or the dot1 interface there is no way to synchronize what the mission mode interface doing. Is that going to be a problem? How do we avoid any problems?

Marc – constrain the conditions some and we will be ok

Frans – necessary to constrain conditions or make rule or recommendation like in dot 1

CJ – running in mission mode and data coming in SERDES in mission mode and someone comes in dot 1 tap or compliance pin to enable dot 10 mode. It is now switched to expect dot 10 packets but mission mode data comes in.

Marc – That would put the controller in chaos.

CJ – so it is the design of the PEDA is to ignore everything until you get to a start of frame and config packet. Everything else will be garbage. You will need to flush everything until you get the SOP and CONFIG

Marc – so the design choice is to finish transferring the information so we don't do anything bad vs. ignore data

CJ – not sure either. But saying the interface is enabled with you hit the compliance pin or go through dot1 TAP. Or use the compliance character. Standard doesn't have any control over the thing sent. Not sure how you can hold and continue with the mission mode protocol.

Marc- will need to think about it. As long as we are clear with the standard it will be ok.

CJ – if transmitter is still sending to mission mode receiver we will have to make sure the dot10 receiver should flush that out and ignore incoming data.

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CJ – will continue to discuss it as we go along.

Call for New Business

No new business

Frans – Multisite testing. Would you care to drive all the devices in parallel?

Marc – at these speeds you would have to do point to point.

CJ – are we covering all the rules necessary to be successful with the standard? Allowing you to be compliant but non-workable? Take a look for next week.

VTS is next week. CJ will send out email to indicate that we will cancel because of the time conflict.

Motion to Adjourn: Frans

Seconded: Jon

Meeting adjourned: 12:51 EDT

Next Meeting:

April 21st, 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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