

Minutes for: Reduced Twisted Pair Study Group (RTPSG) Tuesday November 13-2012

9:03 - Chair: Steve Carlson – Opens meeting

9:05 - Denis Beaudoin - Recording secretary

9:06 – Introductions, Steve passed around the attendance sheet.

9:11 - Approve Agenda:

M:Gavin Parnaby,

S: Mandeep Chapra

-- Passed by voice acclamation

9:13 - Don Pannell made a presentation on corrections to the Geneva minutes with regards to the interpretation of his presentation in Geneva.

Any discussion...None

Motion #1

Vote for the changes to be adopted,

M: Don Pannell

S: Gavin Parnaby

Minute corrections accepted by acclamation.

Motion #2

Motion action to accept the minutes from the Geneva with associated corrections meeting

M: Mandeep Chapra

S: Gavin Parnaby

Minutes with above corrections approved by acclamation

9:21 - Study Group Decorum - Phones, press, no press present

9:22 - Chair presents: Goals of the meeting, Ground Rules, Overview of 802.3 Standards Process

9:24 – Chair presents: Action items

9:25 – Chair presents: Attendance procedure

9:27 – Presentations

9:28 - Mehmet T. – Channel definition report (Previous presentation by Patner Chris D.)

Request the collection of cables and connectors so that an appropriate channel model can be obtained and validated.

Geoff T. – Commented that the automotive group will push the connector issue so we should drive performance of the channel and not the connector. The performance of the connector can be driven by the manufacturer's connector material. Specifying a connector requirement could cause issues with manufacturers and their process.

Further discussion between Geoff, Mehmet, Kristen and Dave on the connector and associated impact of twist and imbalance at the connectors and the use of pre twisted pair harnesses to meet requirements. Use of FLR2X-A was a starting point.

Further discussion between Geoff, Kristen, Mehmet and Robert – commented that we are eager to determine how much the automotive group can tolerate improvement. Stated that we need to look at the cabling assembly rather than just the cable. It was mentioned that we cannot rely on existing cable assembly and that crosstalk considerations need to be understood.

Steve C. – requested getting a hold of the current 100Mbps link channel model. Kristen agreed to work on this and get appropriate channel model.

Kristen – Commented that the FLR2X-A was the starting point for the 100Mbps solution. But the connector needed more constraints on the un-twist of the cable at the connector.

9:56 – Mehmet – EMC presentation Add hoc

How are the EMC requirements defined?

Need to start collecting data.

10:06 - Richard – presentation on MDI interface Jig for RTP EMC evaluation

No comments or questions.

10:35 – Ludwig – presented - RTP – Industrial Environment

No Questions or comments

10:47 –

Motion #3

Move that IEEE 802.3 extend the Reduced Twisted Pair Gigabit Ethernet PHY Study Group.

(Procedural 50%)

M: Ludwig Winkel

S: Bill Delveaux

Accepted by acclamation.

10:49 – Steve Carlson went over the Future Meetings

10:53 - Steve Carlson commented that we completed all pending work and provided some ideas on what we could do for the rest of the day.

Mehmet will get together later with several others on EMC ad hoc.

10:59 – Recessed till Wednesday at 9AM.

Wednesday, November 14

Meeting called to order at 10:07 by Steve Carlson, who is also acting as Recording Secretary.

Steve Carlson presented the comments on the PAR and 5C received from the EC, a private comment from Paul Nikolich, along with the comment from NesCom. He explained that the comments are a result of a change made to the 5C in March by the EC that created unintended consequences at NesCom.

The comments and proposed responses were presented in [par\\_5c\\_responses\\_112.pdf](#). The following motions were made:

Motion #4

Move that the RTPGE SG adopt the response to comments on slide 2 and slide 3 as shown on slide 4, while granting the Chair editorial license in the formatting of the response.

M: Darshan

S: Tazebay

Technical, 75%

Y: 25    N: 0    A: 1

MOTION PASSES 10:05AM 11/14/12

Motion #5

Move that the RTPGE SG adopt the response to comments on slide 6 as shown on slide 8, while granting the Chair editorial license in working with Paul Nikolich in the implementation of the response.

M: Yair Darshan

S: Gavin Parnaby

Technical, 75%

Y: 28 N: 0 A: 0

MOTION PASSES 10:09AM 11/14/12

Steve Carlson said that, in view of the small number of comments, that there was no reason to meet Thursday morning to prepare for the WG closing plenary.

It was agreed that ad hocs would use the remaining time to work.

The meeting was adjourned at 10:15AM NOTE: Need the name of the mover

## RTPGE Study Group Sign-In Sheet -

11/13/12

Name	Company	Affiliation	Email (optional)	T	W	Th
Bill Delveau	Cisco	Cisco	bdelveau@cisco.com	W	W	
James Zhang	Qualcomm	Qualcomm	jamezhan@qualcomm.com			
Thomas Hogenmuth	Bosch	Bosch	thomer.hogenmuth@bosch.com	Th	Th	
Geoff Thompson	Genesys	lud	on file	G	G	
Ronak Santod	CommScope	CommScope	ronak.santod@comscope.com	M	M	
XIAOFENG WANG	Qualcomm	Qualcomm	wangxiao@gti.qualcomm.com	Th	Th	
Davis Beaudoin	TI	TI	dbeaudoin@ti.com	Th	Th	
Sharan Dai	Marvell	Marvell	sdai@marvell.com	Sh	Sh	
Mitsuru Iwacka	Yokogawa	Yokogawa	Mitsuru.Iwacka@yokogawa.com	M	M	
MANDEEP CHADHA	VITESSE	VITESSE	deep@vitesse.com			
Kirsten Mathews	BMW	BMW	kirsten.mathews@bmw.de	K	K	
Dave Estes	UNH-Id	UNH-Id	daestes@id.unh.edu	DE	DE	
CARLOS PARDO	KOPF	KOPF	carlos.pardo@kopf.com	C	C	
GAVIN PARNABY	Marvell	Marvell	garnaby@marvell.com	G	G	
Aaron Gelter	Harman	Harman	aaron.gelter@harman.com	AG	AG	
Kousalya Balasubramanian	Cisco	cisco	Kobalasu@cisco.com	KB	KB	
DON PANNEN	MARVELL	MARVELL	DPANNEN@MARVELL			
Huang, Liang-wei	Realtek	Realtek	benson_lw@realtek.com	LW	LW	
Richard Mei	CommScope	CommScope	rmei@commscope.com	RM	RM	
TODD HERMAN	CommScope	CommScope	therman@commscope.com	Th	Th	
David Abramson	TI	TI	david.abramson@ti.com	DA	DA	
Mike McCormack	unemployed	Self	mike@themccormacks.com			
Phillip Brownlee	Coneraft	Coneraft	pbrownlee@coneraft.com	B	B	
Pavlen (old)	Rimbaum	microsemi	primbaum@microsemi.com			
MARTIN MCNARNEY	BRCM	BRCM	mcnarney@BROADCOM	M	M	
Ludwig Vinkel-Sievers	Siemens	Siemens	Ludwig.Vinkel@siemens.com	Vi	Vi	

11/13/12

[illegible]