

Minutes IEEE P802.3ch Multigig Automotive Ethernet PHY TF AdHoc meeting September 4, 2019

Prepared by George Zimmerman

Proposed Agenda:

Title	Presenters(s)	Affiliation(s)
Agenda	George Zimmerman (ad hoc Chair)	CME Consulting/ADI, APL Group, Aquantia, BMW, Cisco, Commscope, SenTekse
Task Force Chair's Comments	Steve Carlson Natalie Wienckowski	High Speed Design, Robert Bosch GmbH & Marvell General Motors, NA
Time Limit for the COUNTDOWN State (D2.1 Comment #136)	Mike Tu	Broadcom
Timing in PHY startup (D2.1 Comment #169)	George Zimmerman	(see above)
Closing	Steve Carlson	High Speed Design, Robert Bosch GmbH & Marvell

See adhoc webpage for agenda deck and presentations

Agenda/Admin George Zimmerman as ad hoc chair:

Meeting began at 7:04 am PT.

Introductions & Affiliations.

Presented file:

http://www.ieee802.org/3/ch/public/adhoc/agenda_3chah_01_090419.pdf

1. Reviewed the Attendance information related to the ad hoc.
2. Displayed the Participation slide and reviewed it.
3. Displayed patent slide deck and reviewed it.
Call for Patents was made at 7:12am Pacific Time, none responded

4. Reminded participants to indicate full names and employer/affiliation for the meeting minutes.

Instructions for subscribing to the reflector may be found at <http://www.ieee802.org/3/ch/reflector.html>. If you cannot subscribe to the reflector for some reason, and need additional assistance please contact the Task Force chair.

Task Force Chair's Comments – Steve Carlson

The Task Force Chair, Steve Carlson, announced that the interim meeting will be a joint meeting with the beyond 10 Gigabit Automotive Ethernet Study Group, and explained that the meeting flow will progress back and forth between the two different groups.

Presentations/Discussion:

Presentation: Time Limit for the COUNTDOWN State (D2.1 Comment #136), Mike Tu, Broadcom

The presenter discussed the time limit for countdown and pointed out it needed to be consistent with the 256 repetitions for infocfields. Based on this he proposed a maximum of 1.536msec for the countdown duration, or 300 training frames. There was also discussion of a minimum limit for the countdown, but more work is needed on this.

Presentation: Timing in PHY startup (D2.1 Comment #169), George Zimmerman, CME Consulting/ADI, APL Group, Aquantia, BMW, Cisco, CommScope, SenTekSe

The presenter budgeting the time spent in various startup states so that interoperable startup within the duration allowed by the link fail inhibit timer (97 msec). There was general agreement that the budget was needed, and some discussion of the form of the table, that it might be clearer as two tables, one for MASTER and one for SLAVE, and leaving the "TRAINING" state budget as the recommended number, as well as some editorial clarification.

Closing Discussion

The Chief Editor, Mrs. Wienckowski, reminded participants to review the EZ bucket and, if they wish to pull comments from the EZ bucket, to email the reflector. Please do this by 4PM Eastern Time Sunday, 8 September.

Meeting adjourned at 8:03 AM PT.

Attendees (from Webex + emails)

First	Last	Affiliation
Steve	Carlson	High Speed Design/Robert Bosch GmBh, Marvell
Clark	Carty	Cisco
Eric	DiBiaso	TE
Jim	Graba	Broadcom

Haysam	Kadry	Ford
Erwin	Koeppendoerfer	Leoni
David	Law	HP Enterprise
Terry	Little	FIT-Foxconn
Brett	McClellan	Marvell
James	McIntosh	Microchip
Josef	Ohni	MD-Electronik
Douglas	Oliver	Ford
Harsh	Patel	Molex
Alireza	Razavi	Aquantia
Hossein	Sedarat	Ethernovia
Steve	Sedio	TDK
Tom	Souvignier	Broadcom
Geoff	Thompson	Independent
Mike	Tu	Broadcom
Kambiz	Vakilian	Broadcom
Natalie	Wienckowski	GM
John	Yurtin	Aptiv
George	Zimmerman	CME Consulting/ADI, APL Group, Aquantia, BMW, Cisco, CommScope, SenTekSe
TOTAL	23	Attendees