

Minutes IEEE P802.3ch Multigig Automotive Ethernet PHY TF AdHoc meeting July 10, 2019

Prepared by Natalie Wienckowski

Proposed Agenda:

1.

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 and Robert Bosch GmbH General Motors, NA
Why OAM is in the Annex (Comments #2 & #199)	Natalie Wienckowski	General Motors, NA
802.3ch Communication link access latency -Table 78-4 (Comment #22 expansion)	Jim Graba	Broadcom
MDI Return Loss (Comments #247 & #249)	Gerrit den Besten	NXP
Closing	Steve Carlson	High Speed Design and Robert Bosch GmbH

[See adhoc webpage for agenda deck and presentations](#)

Agenda/Admin George Zimmerman as ad hoc chair:

Meeting began at 7:05 am PT.

Introductions & Affiliations.

Presented file: [agenda 3chah 01a 071019.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 Chief Editor, Mrs. Wienckowski, reminded participants that if they wish to pull comments from the EZ bucket, the deadline is 3 pm EDT on Friday, July 12th. The remaining proposed responses will be available by EOD on Wednesday, July 10th. Task Force Members are urged to carefully review these responses prior to our meeting the week of July 15th.

The Task Force Chair, Mr. Carlson, asked that those wishing to pull comments from the EZ bucket do so by sending an email to the reflector and to the Chief Editor. We will start at 8 am, or shortly thereafter, on Monday morning. We will start by reviewing the agenda and approving the EZ bucket comments. Thanks to everyone who reviewed the specification and provided comments on the spec.

Presentations/Discussion:

Presentation: Why OAM is in the Annex (presenter Natalie Wienckowski, General Motors, NA)

The presenter discussed the background of the BASE-T1 OAM. Also reviewed were the comments that lead to the additional MultiG-BASE-T1 OAM details being placed into an Informative Annex. Participants suggested that everyone should carefully review the Annex text to ensure that it is informative and propose any changes needed to guarantee this. Suggested wording changes can be sent to the reflector or shared during comment resolution at the meeting next week.

Presentation: 802.3ch Communication link access latency –Table 78-4 (Jim Graba, Broadcom)

The presenter discussed changes needed to Table 78-4 for LPI timing parameters. He presented diagrams and analysis to justify the updates to the table values. Participants suggested to review these updated values compared to the existing values and to check that they agree with the updates. Jim will review the past meeting minutes and review his updated values with the provider of the original values.

Presentation: MDI Return Loss (Gerrit den Besten, NXP)

The presenter discussed the rationale for the changes they are requesting through comments on D2.0 related to MDI Return loss. Part 1 of the presentation explains why the MDI return loss should be scaled by S, to avoid over specifying for the slower speeds. Part 2 of the presentation suggests a single slope for the higher frequency MDI Return Loss similar to 100BASE-T1 and 1000BASE-T1. He states the current limit is

unnecessarily strict. Participants suggested to review the two proposals to adjust the MDI return loss, this presentation and [Power Supply Ripple and MDI Return Loss Modifications](#) (Comments 266, 267, 268, & 269). Participants are urged to review this topic carefully and perform analysis that can be shared so that a correct decision can be made for the MDI Return Loss in Vienna.

Closing Discussion

The Task Force Chair, Mr. Carlson, urged everyone to review the MDI Return Loss issue carefully as this will require discussion during our meeting. Everyone was wished safe travels.

Meeting adjourned at 8:20 AM PT.

Attendees (from Webex + emails)

First	Last	Affiliation
Rich	Boyer	Aptiv
Mike	Tu	Broadcom
Dominik	Eberl	Draexlmaier
Jim	Graba	Broadcom
George	Zimmerman	CME Consulting/ADI, APL Group, Aquantia, BMW, Cisco, Commscope, SenTekse
Steve	Carlson	High Speed Design and Robert Bosch GmbH
Thomas	Mueller	Rosenberger
Natalie	Wienckowski	General Motors, NA
Marty	Gubow	Keysight Technologies
Kambiz	Vakilian	Broadcom
Wes	Mir	Aptiv
Doug	Oliver	Ford
Brett	McClellan	Marvell
Tom	Souvignier	Broadcom
Hossein	Sedarat	Ethernovia
German	Feyh	Broadcom
Jim	Nadolny	Samtec
Gerrit	den Besten	NXP
Haysam	Kadry	Ford
TOTAL	19	Attendees