Cl **FM** *SC* **FM** *P* **13** *L* **25** # 236

Muma, Scott — Microchip Technology Inc.

Comment Type **TR** *Comment Status* **R** *1G*

Add support to Clause 192 for a 1 Gb/s LS PHY option for use with 5 and 7.5 Gb/s HS

SuggestedRemedy

Add 1 Gb/s support according to the changes proposed in chini_3dm_02a_D2d0_comments-preview.pdf in the June 2 ad hoc meeting folder https://ieee802.org/3/dm/public/adhoc/060226, with editorial license.

Response *Response Status* **U**

REJECT.

There was no consensus in the CRG to make the change. See #358 for Motion details.

Cl **00** *SC* **0** *P* **3** *L* **4** # 478

Dawe, Piers — Nvidia

Comment Type **ER** *Comment Status* **R** *nomenclature*

Don't use + within a word, because search engines and similar, and humans, interpret it as plus meaning and, not a letter within a word. This isn't 100BASE-T1 and 2.5GBASE-T1 (for example), nor a thing with two symmetrical rate options, but a distinct PHY. We discovered the problem with SFP+, too late to change that, but there is no need to repeat the same mistake.

SuggestedRemedy

Change + to something else e.g. underscore

Response *Response Status* **U**

REJECT.

We had a discussion on this in November 2024 where "_" was an option, but it was not preferred. (https://ieee802.org/3/dm/public/1124/wienckowski_3dm_02a_NOV2024.pdf)

In this case, + does mean "and" as both rates are supported, one as tranmsit and the other as receive.

Cl **1** *SC* **1.4.26** *P* **28** *L* **29** # 90

Kim, Yong — General Motors

Comment Type **TR** *Comment Status* **R** *definitions*

"The electrical and mechanical interface to the shared coaxial cable medium", where "shared" is stricken is problematic for 10BASE5, 10BASE2, and 10Broad36, MAU ("PHY").

SuggestedRemedy

Reverse the change and define coax cable P2P or approprate definitoin for asymettic phy over coax.

Response *Response Status* **U**

REJECT.

This comment is on 1.4.249, not 1.4.26.

Striking "shared" does not mean it can't be used as a "shared" medium.

Cl **1** *SC* **1.5** *P* **29** *L* **6** # 92

Kim, Yong — General Motors

Comment Type **ER** *Comment Status* **R** *EZ - pull*

"TDD". Time Division Duplex is unclear. I heard and referred to "TDD" so long that I did not question it unitl revewing the draft. "Duplex" is misnomer and sounds more marketing. Time Division Multiplex, or Time Divisoin Simplex woule be more correct and be more aligned with common reference to this type of technique. Why create confusion by creating a new term when perfectly well-understood term is available.

SuggestedRemedy

Consider TDM, which is more well-understood term for this operation.

Response *Response Status* **U**

REJECT.

CRG disagrees with commenter as this is the term used in Clause 192. This is consistent with the general uderstanding of this term.

Cl **46** *SC* **46.3.1.1** *P* **48** *L* **11** # 115

Kim, Yong — General Motors

Comment Type **ER** *Comment Status* **R** *Clause_46*

The addition of the word "transmit" does not add to clarity. It's already clear. TXCLK is by definitoin transmit direction. There is, however, technical concern on how asymetric MAC rates are defined. It's missiing (see my comment on CL4.4.2 reference).

SuggestedRemedy

Delete the added word "transmit"

Response *Response Status* **U**

REJECT.

There is no consensus to make a change.

Cl **191** *SC* **191.3.2.2.5** *P* **78** *L* **51** # 365

Lasry, Ariel — Qualcomm Technologies, Inc.

Comment Type **ER** *Comment Status* **A** *EZ*

The referenced 149.3.2.2.5 includes the following text "2.5G/5G/10GBASE-T1" which is not relevant for clause 191

SuggestedRemedy

Add "With 2.5G/5G/10GBASE-T1 replaced with MultiG+100M/100M+MultiGBASE-T1/V1." Alternatively update Clause 149.3.2.2.5 to include "MultiG+100M/100M+MultiGBASE-T1/V1".

Response *Response Status* **U**

ACCEPT IN PRINCIPLE.

Accommodated by #410.

Cl **191** *SC* **191.15** *P* **156** *L* **45** # 86

Lusted, Kent — Synopsys

Comment Type **TR** *Comment Status* **A** *PICS*

PICS entries for 192.15.3, 192.15.4.1, and 192.15.4.2 are incomplete

SuggestedRemedy

Complete PIC entries

Response *Response Status* **U**

ACCEPT IN PRINCIPLE.

Accommodated by #448.

Cl **191** *SC* **191.15.3** *P* **156** *L* **46** # 119

Kim, Yong — General Motors

Comment Type **TR** *Comment Status* **A** *PICS*

This sub-clause on, PICS Profoma is incomplete. Please complete.

SuggestedRemedy

Please complete.

Response *Response Status* **U**

ACCEPT IN PRINCIPLE.

Accommodated by #448.

Cl **192** *SC* **192** *P* **158** *L* **1** # 492

Zerna, Conrad — NXP

Comment Type **TR** *Comment Status* **R** *1G*

Proposed speed of 1Gbps is not included in the draft

SuggestedRemedy

Add proposed green highlights from https://www.ieee802.org/3/dm/public/adhoc/060226/chini_3dm_02a_D2d0_1G_comments-preview.pdf
Into the draft

Response *Response Status* **U**

REJECT.

There was no consensus in the CRG to make the change. See #358 for Motion details.

Cl **192** *SC* **192.1.1** *P* **159** *L* **17** # 220

Matheus, Kirsten BMW Group

Comment Type **TR** *Comment Status* **R** *1G*

Add a 1 Gb/s LS PHY option for use with Clause 192

SuggestedRemedy

Add 1 Gb/s LS PHY support in accordance with changes proposed in https://www.ieee802.org/3/dm/public/adhoc/060226/chini_3dm_02a_D2d0_1G-comment-preview.pdf

Note: for efficiency reasons (the referenced page, sub-clause and line # in this comment is reduced to a single sub-clause (192.1.1). All relevant pages, sub-clauses and lines that require updates can be seen in the referenced markup file (chini_3dm_02a_D2d0_1G-comment-preview.pdf).

Response *Response Status* **U**

REJECT.

There was no consensus in the CRG to make the change. See #358 for Motion details.

Cl **192** *SC* **192.1.1** *P* **159** *L* **17** # 226

Schedl, Anton BMW Group

Comment Type **TR** *Comment Status* **R** *1G*

Add a 1 Gb/s LS PHY option for use with Clause 192

SuggestedRemedy

Add 1 Gb/s LS PHY support according to changes proposed in https://www.ieee802.org/3/dm/public/adhoc/060226/chini_3dm_02a_D2d0_1G-comment-preview.pdf)

Note: for efficiency reasons (i.e., avoid a lot of duplicates in the comments) the referenced page, sub-clause and line # in this comment is reduced to a single sub-clause (192.1.1). All relevant pages, sub-clauses and lines that require updates can be seen in the referenced markup file (chini_3dm_02a_D2d0_1G-comment-preview.pdf).

Response *Response Status* **U**

REJECT.

There was no consensus in the CRG to make the change. See #358 for Motion details.

Cl **192** *SC* **192.1.1** *P* **159** *L* **17** # 222

Veloso, Gumersindo BMW Group

Comment Type **TR** *Comment Status* **R** *1G*

Add a 1 Gb/s LS PHY option for use with Clause 192

SuggestedRemedy

Add 1 Gb/s LS PHY support according to changes proposed in https://www.ieee802.org/3/dm/public/adhoc/060226/chini_3dm_02a_D2d0_1G-comment-preview.pdf) and adapt any affected chapter/subchapter as can be seen under chini_3dm_02a_D2d0_1G-comment-preview.pdf.

Response *Response Status* **U**

REJECT.

There was no consensus in the CRG to make the change. See #358 for Motion details.

Cl **192** *SC* **192.5.2.4** *P* **228** *L* **15** # 83

Lusted, Kent Synopsys

Comment Type **TR** *Comment Status* **A** *EZ*

The abbreviation "UPSD" is not intuitively obvious to the average reader.

SuggestedRemedy

Change "UPSD" to "Upper PSD"

Response *Response Status* **U**

ACCEPT IN PRINCIPLE.

Replace, "...shall be between the upper and lower masks specified in Equation (192-17) and Equation (192-18)."

with, "shall be between the upper PSD mask specified in Equation (192-17) and the lower PSD mask specified in Equation (192-18)."

Replace, "UPSD" with "UpperPSD" in Equation (192-17).

Replace, "LPSD" with "LowerPSD" in Equation (192-18).

Cl **192** *SC* **192.5.2.4** *P* **228** *L* **24** # 84

Lusted, Kent — Synopsys

Comment Type **TR** *Comment Status* **A** *EZ*

The abbreviation "LPSD" is not intuitively obvious to the average reader.

SuggestedRemedy

Change "LPSD" to "Lower PSD"

Response *Response Status* **U**

ACCEPT IN PRINCIPLE.

Accommodated by Comment #83.

Cl **192** *SC* **192.12** *P* **246** *L* **40** # 121

Kim, Yong — General Motors

Comment Type **TR** *Comment Status* **A** *192_delay*

Pause (CL31 and Annex 31B) operation seem irrelvant to camear and display application that these asymetric PHYs are defined to be used. This said, 31.B.4.3, Pg 6383 on 802.3-2022 edition, refers to 31.B.3.7 that says "Stations that do not implement an exposed MII, shall measure this time at the MDI, with the timing specification increased to one pause_quantum + 64 BT." This project has 100 Mbps that does not have exposed MII, the timeing is increasd by 64 BT. this conflcts with "The sum of the transmit and receive data delays for an implementation of the PHY shall not exceed the limits shown in Table 192-24." in CL192.12, pg 247 line 1.

SuggestedRemedy

Select which one is correct, i.e. pause quanta with our without +64 BT, and revise the text to match.

Response *Response Status* **U**

ACCEPT IN PRINCIPLE.

Pull-in Normative Annex 31 B and make the changes as described in https://www.ieee802.org/3/dm/public/0726/comment_121_response.png. Editorial license to make any needed PICS updates.

Change: Asymmetric PHY (Clause 192)
To: Asymmetric PHY in Clause 192

Throughout the text.

Cl **192** *SC* **192.13** *P* **249** *L* **4** # 85

Lusted, Kent — Synopsys

Comment Type **TR** *Comment Status* **A** *PICS*

PICS entries for 192.13.3, 192.13.4.1, and 192.13.4.2 are incomplete

SuggestedRemedy

Complete PIC entries

Response *Response Status* **U**

ACCEPT IN PRINCIPLE.

Accommodated by Comment #448.

Cl **192** *SC* **192.13.3** *P* **249** *L* **6** # 120

Kim, Yong — General Motors

Comment Type **TR** *Comment Status* **A** *PICS*

This sub-clause on, PICS Profoma is incomplete. Please complete.

SuggestedRemedy

Please complete.

Response *Response Status* **U**

ACCEPT IN PRINCIPLE.

Accommodated by Comment #448.