

P802.3dm D2.1 Asymmetrical Electrical Automotive Ethernet 1st Working Group recirculation ballot comn

CI 46 SC 46.6.2.3 P 55 L 43 # 91

Zimmerman, George CME Consulting/ADI,Cisco,Eliyan,Infineon,OnSemi,

Comment Type E Comment Status D PICS

Major option for 7.5G is missing in options definitions, but used later in FS2a and FS9a, where the status is also missing...

*SuggestedRemedy*

P55 L43 (46.6.2.3) ADD new major feature PICS Item 7.5G, Subclause 46.1, Value/Comment "7.5 Gb/s support", Status: O, Support Yes/No (note this is overwritten by more extensive comment limiting 7.5G to asymmetry if the changes in that comment are accepted - but something is needed here nonetheless)  
P57 L11 and L21 (46.6.3.6): Change "XGE:M <new line> \*!7.5G " to "XGE \* !7.5G:M" (this is repeated in the other comment for completeness, but is the same)  
P57 L17 and L27 (46.6.3.6): Change "XGE:M <new line> \*7.5G" to "XGE\*7.5G:M"(this is repeated in the other comment for completeness, but is the same)

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Superseded by #87, #113, #114, and #297.

CI 46 SC 46.6.2.3 P 55 L 43 # 296

Muma, Scott Microchip

Comment Type T Comment Status D late - PICS

Given that XGMII currently supports one or more symmetric data rates it follows that the XGMII can support both one or more asymmetric and symmetric data rates. So asymmetric data rates should be in the same group of options as symmetric data rates (PHY:O.1).

*SuggestedRemedy*

Change ASM to \*ASM and change the Status of \*ASM to PHY:O.1

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Superseded by #297.

CI 46 SC 46.6.3.1 P 56 L 5 # 147

Muma, Scott Microchip

Comment Type T Comment Status D PICS

An Asymmetric PHY must support at least one or more high speed rate in at least one direction AND simultaneously support a lower speed in the other direction. Listing out all the speeds as independent options makes this difficult to capture. Instead define a PHY\_D Feature and a PHY\_S Feature both with Status ASM:O.2 with reference to Clause 191 and Clause 192. Then define the 10 transmit speed/direction combinations:

TX100M Status: PHY\_D:M  
RX100M Status: PHY\_S:M  
TX2.5G Status: PHY\_S:O.3  
TX5G Status: PHY\_S:O.3  
TX7.5G Status: PHY\_S:O.3  
TX10G Status: PHY\_S:O.3  
RX2.5G Status: PHY\_D:O.4  
RX5G Status: PHY\_D:O.4  
RX7.5G Status: PHY\_D:O.4  
RX10G Status: PHY\_D:O.4

*SuggestedRemedy*

Add \*PHY\_S and \*PHY\_D items to the major capabilities/options table in 46.6.2.3 following the \*ASM item with the Status ASM\*PHY:O.2 for both new items.

Add the 10 speed/direction combination items to the table in 46.6.3.1 as shown in the commen with editorial license on Feature Subclause Value/Comment, deleting/replacing the current items G3a, G3b.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Superseded by #297.

# P802.3dm D2.1 Asymmetrical Electrical Automotive Ethernet 1st Working Group recirculation ballot comn

CI 46 SC 46.6.3.1 P 56 L 5 # 297

Muma, Scott Microchip

Comment Type T Comment Status D late - PICS

This comment supercedes comment #147 and assumes status of \*ASM is PHY:O.1

An Asymmetric PHY must support at least one or more high speed rate in at least one direction AND simultaneously support a lower speed in the other direction. Listing out all the speeds as independent options makes this difficult to capture. Instead define a PHY\_D Feature and a PHY\_S Feature both with Status ASM:O.2 with reference to Clause 191 and Clause 192. Then define the 10 transmit speed/direction combinations:

TX100M Status: PHY\_D:M  
RX100M Status: PHY\_S:M  
TX2.5G Status: PHY\_S:O.3  
TX5G Status: PHY\_S:O.3  
TX7.5G Status: PHY\_S:O.3  
TX10G Status: PHY\_S:O.3  
RX2.5G Status: PHY\_D:O.4  
RX5G Status: PHY\_D:O.4  
RX7.5G Status: PHY\_D:O.4  
RX10G Status: PHY\_D:O.4

## *SuggestedRemedy*

Add \*PHY\_S and \*PHY\_D items to the major capabilities/options table in 46.6.2.3 following the \*ASM item with the Status ASM:O.2 for both new items.

Add the following 10 speed/direction combination items to the table in 46.6.3.1:

TX100M Status: PHY\_D:M  
RX100M Status: PHY\_S:M  
TX2.5G Status: PHY\_S:O.3  
TX5G Status: PHY\_S:O.3  
TX7.5G Status: PHY\_S:O.3  
TX10G Status: PHY\_S:O.3  
RX2.5G Status: PHY\_D:O.4  
RX5G Status: PHY\_D:O.4  
RX7.5G Status: PHY\_D:O.4  
RX10G Status: PHY\_D:O.4

with editorial license on Feature Subclause Value/Comment, deleting/replacing the current items G3a, G3b.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

With the addition of the table by comment #87, it is not necessary to use \*PHY\_S, \*PHY\_D, or \*ASM.

See Comment\_297.jpg for the update to the table in 46.6.2.3.

CI 46 SC 46.6.3.1 P 56 L 20 # 146

Muma, Scott Microchip

Comment Type T Comment Status D PICS

An Asymmetric PHY must support 100M in at least the transmit direction or the receive direction, so the Status for G3a and G3b is confusing.

## *SuggestedRemedy*

Change ASM:M PHY:O.1  
To: ASM\*PHY:O.2

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Superseded by #297.

CI 46 SC 46.6.3.1 P 56 L 20 # 90

Zimmerman, George CME Consulting/ADI,Cisco,Eliyan,Infineon,OnSemi,

Comment Type E Comment Status D PICS

PICS option #1 (O.1) refers to picking a single rate. This is a separate option group from the 100 Mb/s which is coupled to the asymmetric. Supporting 100M in either the transit or receive direction for asymmetric phys needs to be option 2 (or else not supporting asymmetric). Note to editors - since an XGMII may support a variety of options, so it is still OK for this to be O.n (even though I originally thought otherwise...)

## *SuggestedRemedy*

Change "PHY O.1" to "PHY O.2" in Status of PICS G3a, G3b, and G3c

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Superseded by #297.

# P802.3dm D2.1 Asymmetrical Electrical Automotive Ethernet 1st Working Group recirculation ballot comn

Cl 46 SC 46.6.3.1 P 56 L 31 # 148

Muma, Scott Microchip

Comment Type T Comment Status D PICS

The Status !ASM:M PHY:O.1 is confusing here. The Feature says the PHY does NOT do something, but then the Value/comment says it ONLY does something. I think the intent is that it's a symmetric PHY and symmetric PHYs would support the same data rate in both directions at the same time.

## SuggestedRemedy

Assuming the above change is carried out to define the asymmetric PHYs, then symmetric PHYs can be defined by:

1. Delete item G3c
2. Change items G1, G1a, G2, G3 Feature from "in at least one direction" to "in both directions"
3. Change items G1, G1a, G2, G3 Value/comment to "Support symmetric MAC data rate of <data\_rate>"
4. Change items G1, G1a, G2, G3 Status to "!ASM\*PHY:O.1"

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

1. See #297 for new rows for asymmetric speeds
2. Implement suggested change, exept delete G1a as we are not adding 7.5G as a symmetrical option.
3. Implement suggested change, exept delete G1a as we are not adding 7.5G as a symmetrical option.

For 4. Revert items G1, G2, G3 Status back to "PHY:O.1" as in 802.3-2022.

Cl 46 SC 46.6.3.6 P 57 L 14 # 145

Muma, Scott Microchip

Comment Type T Comment Status D PICS

The Value/comment for FS2 is ambiguous, it is not clear what the RS is providing here without rewording. Sugget just revert to original Clause 46 wording and indicate the MAC's nominal transmit rate to clarify that transmit rate and receive rate may be independent.

## SuggestedRemedy

Change: the frequency (in Hz) corresponding to the nominal MAC bit rate that the RS provides in the transmit direction

To: the frequency (in Hz) corresponding to the MAC's nominal transmit bit rate

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by #113.

Cl 46 SC 46.6.3.6 P 57 L 24 # 144

Muma, Scott Microchip

Comment Type T Comment Status D PICS

The Value/comment for FS9 says the RS provides RX\_CLK which is incorrect, RX\_CLK is source by the PHY.

## SuggestedRemedy

Change: corresponding to the nominal MAC bit rate that the RS provides in the receive direction

To: corresponding to the MAC's nominal receive bit rate

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by #114.

Cl 191 SC 191.15.1 P 167 L 13 # 130

Muma, Scott Microchip

Comment Type E Comment Status D PICS

There are several PICS items that use an undefined + symbol. Clause 21 does not define what this means, so it's not clear that PICS items should be written this way. Suggest splitting items using + up into multiple separate items so that compliance can be clear. A PHY implementation that is compliant to one of these items makes it ambiguous which one.

## SuggestedRemedy

Split the following PICS items up into individual items for example if status is (2.5G+5G)\*PHY\_S:M there should be one item for 2.5G\*PHY\_S:M and a separate item for 5G\*PHY\_S:M.

PCT5 P170L17  
PCT24 P171L41  
PCR3 P172L11  
PCR5 P172L18  
TPG2 P172L39  
TPG4 P172L47  
PCF2 P178L45  
PCF14 P179L30  
TM6 P182L28  
TM9 P182L36

Proposed Response Response Status Z

PROPOSED REJECT.

This comment was WITHDRAWN by the commenter.

The + symbol in PICS was defined in 802.3df, which amended clause 21 (21.6.2) to include +

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn

SORT ORDER: Clause, Subclause, page, line

Cl 191  
SC 191.15.1

Page 3 of 8  
8/28/2026 2:36:56 PM

P802.3dm D2.1 Asymmetrical Electrical Automotive Ethernet 1st Working Group recirculation ballot comn

CI 191 SC 191.15.3 P 168 L 9 # 142

Muma, Scott

Microchip

Comment Type E Comment Status D PICS

Options are defined but never used in the PICS items status, other options are used but never defined.

**SuggestedRemedy**

INS-T and INS-V are defined but never used so delete. INS, V1, and T1 are used but never defined, please add with editorial license.

OAM\_HS and OAM\_LS are defined but never used, while OAM is used but never defined, please combine OAM\_HS/OAM\_LS to OAM definition with editorial license.

Lead and Follow are defined but never used so delete.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

In 191.15.3:

Delete PICS item \*INS-V, Replace PICS item \*INS-T with:

\*INS Installation/cabling 191.9, 191.10 Items marked with INS include installation practices and cabling specifications, and are not applicable to a PHY manufacturer. Status O Support Yes[] No[]

Delete PICS item \*OAM\_LS, Replace PICS item \*OAM\_HS with:

\*OAM Support for optional PCS level operations, administration, and maintenance 191.3.7, 191.4.7 Status O Support Yes[] No[]

In 191.15.4.3.2:

Change Status of PICS items PMAT5 and PMAT6 to PHY\_S\*Lead:M, and PHY\_D\*Lead:M respectively.

Change Status of PICS items PMAT8 and PMAT9 to PHY\_S\*Follow:M, and PHY\_D\*Follow:M respectively.

Change Status of PICS item PMAT10 to Follow:M

CI 191 SC 191.15.3 P 168 L 38 # 156

Muma, Scott

Microchip

Comment Type T Comment Status D PICS

The major options are written as independent options and lump together transmit and receive speeds in the same item. However, a single PHY type supports one and only one of many of the options. For example a given PHY may be either PHY\_D or PHY\_S so should use the O/<n> Status. Transmit speeds are another set of mutually exclusive items, receive speeds are another set of mutually exclusive items, though dependent on PHY\_D/PHY\_S. Media type/MDI is another set of "pick one" per PHY. The Lead/Follow options if used also are not arbitrarily independent optional items, they have some dependency on PHY\_S/PHY\_D in the text.

**SuggestedRemedy**

Work with the Clause 191/PICS experts to group items appropriately for all 12 distinct PHYs.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Insert new options \*T1 and \*V1 in 191.15.3 in alphanumeric order.

\*T1 Single shielded balanced pair of conductors support Subclause 191.1 Status: O/1 Yes[] No[]

\*V1 Single-ended coaxial cable support Subclause 191.1 Status: O/1 Yes[] No[]

Editorial license to align option naming with changes in the descriptive text in 191.1.

Explanation: The PHY type determines which PICS apply, and the phy type is uniquely represented by the options PHY\_D and PHY\_S (which gives directionality), and 2.5G, 5G, or 10G which gives the rate.

A given device may support multiple PHY types, and therefore get filled out as one PICS sheet (therefore the options are not exclusive). As a result, once the PHY type is known, the correct PICS can be picked from the options.

The exception, and the missing piece of the PHY type is T1/V1, which is used by (191.15.4.3.9, 191.15.4.4.5, 191.15.4.5, and 191.15.4.6) but not defined as an option, and it is exclusive - because there is one physical MDI, and one medium. The proposed remedy corrects that.

Application of Leader/Follower are handled in other PICS, including dependencies for PHY\_D and PHY\_S use - however, this seems clearer to be spelled out with the related requirements rather than up in the options dictionary.

P802.3dm D2.1 Asymmetrical Electrical Automotive Ethernet 1st Working Group recirculation ballot comn

CI 191 SC 191.15.4.1 P 169 L 10 # 125

Muma, Scott Microchip

Comment Type T Comment Status D PICS

This item G1 has no corresponding "shall" in the text and is duplicate with item ANS1 which does have a corresponding "shall", so ANS1 seems preferable.

**SuggestedRemedy**

Delete duplicate item G1

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 191 SC 191.15.4.1 P 169 L 13 # 127

Muma, Scott Microchip

Comment Type T Comment Status D PICS

Item G2 doesn't have a corresponding "shall" statement in the text and there are likely other specific items that do cover this and correspond to a shall statement.

**SuggestedRemedy**

Consider deleting G2 in favor of other items, or add a "shall" statement to clause 191.1.3 that is referenced.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by response to comment #126.

Comment #126 deletes G2 in favor of PICS PMAT11 and PMAT12.

CI 191 SC 191.15.4.1 P 169 L 16 # 123

Muma, Scott Microchip

Comment Type T Comment Status D PICS

The Feature says "If Auto- Negotiation is not used...", but then the Status says the item is only Mandatory if optional AN is supported. I think this support is mandatory whether or not AN is supported since AN can be unsupported or supported and not used.

**SuggestedRemedy**

Change AN:M to M

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment #126, which deletes the text.

Editor's note - if this is not deleted, status should be changed to !AN:M.

CI 191 SC 191.15.4.1 P 169 L 16 # 126

Muma, Scott Microchip

Comment Type T Comment Status D PICS

If item G3 is not actually conditional on autonegotiation it is likely a duplicate of G2 and can just be deleted instead of fixing it and G2 could be improved on.

**SuggestedRemedy**

Delete duplicate item G3 and merge any useful information into G2 Feature description with editorial license.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Delete Item G3.

Delete item G2.

Editorial license to delete this PICS section, depending on another comment to delete G1.

Explanation - There are no shalls for G2 and G3, and, in fact, the text of G2 is in direct conflict with a shall/may combination in the 3rd paragraph of 191.5.2.2 (P121 L27) represented by PICS PMAT11 and PMAT12.

CI 191 SC 191.15.4.2.6 P 175 L 40 # 48

Zherebtsov, Aleksei Infineon

Comment Type T Comment Status D PICS

The status of PICS item PCRL4 is PHY\_D:M, but the requirement it references, 191.4.2.3.2, states on page 117 line 21 that "PHY\_S shall employ the receiver descrambler generator polynomial", and the item sits in 191.15.4.2.6, "PCS, LS\_RX", which is the receive side of the low speed path, that is the PHY\_S. The status contradicts both the feature description of the item and the referenced requirement.

**SuggestedRemedy**

In 191.15.4.2.6 change the status of PCRL4 from "PHY\_D:M" to "PHY\_S:M", and review the status column of the other items of 191.15.4.2.6 for the same error.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change Status from PHY\_D:M to PHY\_S:M for:

PCRL4 and PCRL5

P802.3dm D2.1 Asymmetrical Electrical Automotive Ethernet 1st Working Group recirculation ballot comn

CI 191 SC 191.15.4.3.2 P 178 L 3 # 132

Muma, Scott Microchip

Comment Type E Comment Status D PICS

Having 2 status possibilities for the same item seems strange, more clear to split into 2 separate items.

**SuggestedRemedy**

Split PMAT11 and PMAT12 into 2 separate items each, one per item per PHY.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

**PMAT11**

Change Value/Comment to: PHY\_D always supports Leader  
Change Status to: PHY\_D:M

**add PMAT11a**

Same as PMAT11 except:  
Value/Comment: PHY\_S optionally supports Leader  
Status: PHY\_S:O  
Support: Yes [ ], No [ ], N/A [ ]

**PMAT12**

Change Value/Comment to: PHY\_S always supports Follower  
Change Status to: PHY\_S:M

**add PMAT12a**

Same as PMAT12 except:  
Value/Comment: PHY\_D optionally supports Follower  
Status: PHY\_D:O  
Support: Yes [ ], No [ ], N/A [ ]

CI 191 SC 191.15.4.3.4 P 179 L 9 # 133

Muma, Scott Microchip

Comment Type T Comment Status D PICS

HS\_PATH items are not exclusive to PHY\_S, so any HS\_PATH receiver requirement should have a separate PHY\_S PICS item.

**SuggestedRemedy**

Split PCF7, PCF4 into separate PHY\_S (transmit) and PHY\_D (receive) items. With editorial license split any other combined transmit/receive items into separate PICS.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

**PCF4**

Change Value/Comment to: Set to zero on transmit.

**add PCF4a**

Same as PCF4 except:  
Value/Comment: Ignored when received by the link partner.  
Status: PHY\_D:M

**PCF7**

Change Value/Comment to: Only values in Table 191–5 and Table 191–6 are transmitted.

**add PCF7a**

Same as PCF7 except:  
Value/Comment: Any other value is ignored by the receiver.  
Status: PHY\_D:M

CI 191 SC 191.15.4.3.5 P 180 L 12 # 134

Muma, Scott Microchip

Comment Type E Comment Status D PICS

Many of the items in this table are labelled PHY\_S but should be PHY\_D

**SuggestedRemedy**

Change PHY\_S to PHY\_D in status column (6 items)

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change Status from PHY\_S:M to PHY\_D:M for:  
PCFL3, PCFL4, PCFL5, PCFL6, and PCFL7.

P802.3dm D2.1 Asymmetrical Electrical Automotive Ethernet 1st Working Group recirculation ballot comn

CI 191 SC 191.15.4.3.5 P 180 L 18 # 135

Muma, Scott Microchip

Comment Type T Comment Status D PICS

LS\_PATH items impact both PHY\_S and PHY\_D so any LS\_PATH receiver requirement should have a separate PHY\_D PICS item.

**SuggestedRemedy**

Split PCFL5 into separate PHY\_S and PHY\_D items. With editorial license split any other combined transmit/receive items into separate PICS.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

**PCFL5**

Change Value/Comment to: Only values in Table 191–5 and Table 191–6 are transmitted. Status changed by #134.

**add PCFL5a**

Same as PCFL5 except:

Value/Comment: Any other value is ignored by the receiver.

Status: PHY\_S:M

CI 191 SC 191.15.4.3.6 P 180 L 43 # 136

Muma, Scott Microchip

Comment Type T Comment Status D PICS

PCFB2 appears to be 2 items in one. Split into PHY\_S and PHY\_D items.

**SuggestedRemedy**

With editorial license split PCFB2 into one item with status PHY\_D:M and one item with PHY\_S:M.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

**PCFB2**

Change Value/Comment to: Complies with Table 191–9 for PHY\_S Leader.

Change Status to: PHY\_S\*Lead:M

Change Support to: Yes [ ], N/A [ ]

**add PCFB3**

Same as PCFB2 except:

Value/Comment: Complies with Table 191–10 for PHY\_D as Leader.

Status: PHY\_D\*Lead:M

Support: Yes [ ], N/A [ ]

CI 192 SC 192.5.3.2 P 306 L 24 # 187

Regev, Alon Keysight

Comment Type T Comment Status D PICS

No PICS item cites subclause 192.5.3.2; only the base BER requirement of 192.5.3.1 appears to be covered in 192.13.4.8.3.

**SuggestedRemedy**

Add a PICS item covering the noise-rejection requirement in 192.5.3.2.

Proposed Response Response Status W

PROPOSED REJECT.

There are no mandatory requirements in 192.5.3.2.

CI 192 SC 192.13.3 P 294 L 6 # 143

Muma, Scott Microchip

Comment Type T Comment Status D PICS

Should define major modes like Leader/Follower, PHY\_D/PHY\_S, and speeds 100M, 2.5G, 5G, 7.5G, 10G as the major capabilities/options. Then use those to define which items are mandatory dependent on modes supported. There are other various clarifications possible in the PICS items I have given suggestions for fixes in the attachment.

**SuggestedRemedy**

See attachment for PICS items updates: 8023-192 d2p1 PICS comments

Apply changes with editorial license for PICS item and option numbering.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

**TFTD**

(Editor's note: There is a copy-paste mistake in TES12a. Where it says: "measured into a 50 <ohm> differential load using test fixture 1", it should say:

"measured into a 50 <ohm> load using test fixture 3")

Implement changes shown in <https://www.ieee802.org/3/dm/public/0926/8023-192%20d2p1%20PICS%20comments.pdf>

Grant Editor's license to conform to Style, item naming, and numbering and to work with the clause 192 Champion to refine PICS content as needed.

P802.3dm D2.1 Asymmetrical Electrical Automotive Ethernet 1st Working Group recirculation ballot comn

CI 192 SC 192.13.3 P 294 L 10 # 104

Zimmerman, George CME Consulting/ADI,Cisco,Eliyan,Infineon,OnSemi,

Comment Type T Comment Status D PICS

Options for 7.5G needs an RX as well for the PAM-3 receiver

**SuggestedRemedy**

Add new PICS option 7.5GRX after 7.5GTX:  
7.5GRX 7.5 Gb/s receive data rate 192.1.1 Supports 7.5 Gb/s mode of operation, PHY\_D  
O Yes[] No[]  
in 192.13.4.1 P297L13 add new PICS item PCST27 PAM3(Rx) 192.3.2.2.22 See  
193.2.2.22 7.5GRX:M Yes[]

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by Comment #143.

CI 192 SC 192.13.4.8 P 306 L 24 # 186

Regev, Alon Keysight

Comment Type T Comment Status D PICS

No PICS item in 192.13.4.8 cites subclause 192.5.2.5 or the peak-to-peak output limits of Table 192-24; there is a gap in PICS coverage between the items covering 192.5.2.4 and the next covered subclause.

**SuggestedRemedy**

Add a PICS item covering 192.5.2.5 / Table 192-24.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Consider after Comment #45 is resolved.

CI 192 SC 192.13.4.8.2 P 308 L 24 # 185

Regev, Alon Keysight

Comment Type T Comment Status D PICS

PMAT5 states the distortion limit applies to "PAM2 transmitters" and "PAM4 transmitters". The normative body text (192.5.2.2) states the 15 mV limit applies to "PAM3 and PAM4 transmitters"

**SuggestedRemedy**

Add "PAM3 and" before "PAM4 transmitters" in PMAT5.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by Comment #185.

CI 192 SC 192.13.4.8.2 P 308 L 24 # 35

Gorshe, Steve Microchip

Comment Type T Comment Status D PICS

Add PAM3

**SuggestedRemedy**

Insert PAM3 into the PAM4 phrase such that it reads: "...less than 15 mV for PAM3 and PAM4 transmitters."

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Grant editorial license to split into 3 requirements for PAM2, PAM3, and PAM4. Make PAM2 requirement status M, and the PAM3 dependent on 7.5G transmit (TX7.5G:M) and the PAM4 dependent on 10G transmit (TX10G:M).