

IEEE P802.3bv D2.2 GEPOF 2nd Working Group recirculation ballot comments

CI **FM** SC **FM** P7 L17 # 3

Law, David Hewlett Packard Enter

Comment Type **E** Comment Status **A**

The body of the participant list should appear immediately under the officer participant list, in addition those that appear in the officer participant list should not appear in the body of the participant list.

SuggestedRemedy

Please use the corrected participant list in the file IEEE\_P802d3bv\_WG\_names\_DL\_070616.pdf attached to this comment.

Response Response Status **C**

ACCEPT IN PRINCIPLE.

The list of voters in IEEE\_P802d3bv\_WG\_names\_DL\_070616.pdf is not complete, probably due to an edition problem of resizing the columns of the list.

Resize columns of second page to appear the the following voters at the end of the list:

Yan Zhuang  
George Zimmerman  
Helge Zinner

CI **114** SC **114.2.2.1** P49 L49 # 4

Zimmerman, George CME Consulting

Comment Type **E** Comment Status **A**

Text goes straight from requirement, which is 'equivalent to MATLAB' into a description of what appears to be an equivalent shift-register description, making it unclear whether the two are concatenated. While it is clear to the reader who already understands what the MATLAB code does, the one who would find the shift register useful needs a little help understanding that the two are intended to describe the same thing. (related to resolving unsatisfied comment i-191)

SuggestedRemedy

Insert "The code in step 1, above, may be understood as producing the same sequence as the following shift register." at the beginning of the paragraph starting "A modulo-2..." (P49 L48)

Response Response Status **C**

ACCEPT IN PRINCIPLE.

Proposed remedy text is partially redundant with P49 L28.

In order to solve the comment improving the clarity of the description, change L28 from the period to:

"This MATLAB code produces the same 128-bit binary sequence as the shift register shown in Figure 114-7 when the shift register is initialized for each pilot S1 sub-block generation with hexadecimal value of 0x172DB9D, where the leftmost digit of the initialization value corresponds to the initial value of register element r[0] and is taken to generate the first bit of the pilot S1."

Eliminate paragraph from P49 L49 to P50 to L12.

CI **114** SC **114.2.4.3.2** P59 L23 # 1

Slavick, Jeff Broadcom Limited

Comment Type **T** Comment Status **A**

When using a FEC engine we have typically provided an example encoding of the codeword to help ensure interoperability by providing an example. Examples of this in 802 would be Clauses 74A and 91A

SuggestedRemedy

Add a 114A clause that shows the data stream as it passes through the states depicted in Figure 114-9

Response Response Status **C**

ACCEPT IN PRINCIPLE.

See proposed text for Annex 114A in IEEE\_P802d3bv\_114A\_perezaranda\_280616.pdf.

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Cl 114 SC 114.2.4.3.7 P62 L4 # 2  
 Pérez-Aranda, Rubén KDPOF

Comment Type T Comment Status A

Left side of Eq (114-14) is not correct. Typo error due to copy & paste. It should refer to Q component, instead of I component.

SuggestedRemedy  
 Change to S\_Q^t2.

Response Response Status C  
 ACCEPT.

Cl 114 SC 114.6.4.5 P102 L27 # 6  
 Goetzfried, Volker Broadcom Limited

Comment Type E Comment Status A

Double spelling of word 'equation'

SuggestedRemedy  
 remove lower case word 'equation' in that line

Response Response Status C  
 ACCEPT.

Cl 114 SC 114.8 P112 L28 # 9  
 Maguire, Valerie Siemon

Comment Type E Comment Status A Late

The language used in this sentence does not read clearly and should be improved.

SuggestedRemedy  
 Replace, "This subclause defines the MDI mechanical interface for 1000BASE-RHA in 114.8.1."

With, "The MDI mechanical interface for 1000BASE-RHA is defined in 114.8.1."

Response Response Status C  
 ACCEPT.

Cl 114 SC 114.8 P112 L29 # 10  
 Maguire, Valerie Siemon

Comment Type E Comment Status A Late

This sentence appears to be missing a modifier.

SuggestedRemedy  
 Replace, "MDI mechanical interface is not specified for 1000BASE-RHB and 1000BASE-RHC."

With, "An MDI mechanical interface is not specified for 1000BASE-RHB and 1000BASE-RHC."

Response Response Status C  
 ACCEPT.

Cl 114 SC 114.8.1 P112 L43 # 7  
 Goetzfried, Volker Broadcom Limited

Comment Type E Comment Status A

Wrong reference to figure 114-40 showing the MDI receptacle from the front side

SuggestedRemedy  
 Replace "114-39" by "114-40"

Response Response Status C  
 ACCEPT.

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Cl 114 SC 114.8.1 P112 L52 # 8  
Goetzfried, Volker Broadcom Limited

Comment Type T Comment Status A

Defining a loss of AOP coupled by the PMD transmitter of 0,2 dB with a steady state load of 15N is not a realistic measure for this type of connector and for a home application.

*SuggestedRemedy*

As steady state force measurement, the weight of the max fiber length, in this case 50m, could be taken for a force vs coupling loss measurement -> typ. weight of duplex SI-POF fiber is~8 g/m which equals then 400g's ending up in a max. force of~4N.

Re-write specification in a way that a steady state force of 4N shall result in a loss of power not more than 0.2 dB. A complete release of the connection shall not be possible below 15N.

Response Response Status C

ACCEPT IN PRINCIPLE.

Change pg 112 lines 49 through 53 to:

"The 1000BASE-RHA MDI receptacle shall have defined open and close states. The close state shall guarantee a stable and resilient connection by utilizing a retention mechanism with a minimum steady state retention force of 4 N aligned with the center line of the receptacle hole in the direction of cable extraction for polyethylene (PE) jacket buffered fibers. Retention force per test procedure of IEC 61300-2-4 shall result in a loss of less than 0.4 dB of the AOP coupled by the PMD transmitter into the fiber while the load is applied and after the load is removed."

Change PICS items MDI5 and MDI6 accordingly.

See measurements results of IEEE\_P802d3bv\_rha\_retention\_perezaranda\_200616 that support the changes of the specification."

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Cl 114 SC 114.8.1 P124 L48 # 5  
Takahashi, Satoshi POF Promotion

Comment Type T Comment Status R

Detailed specifications for retention force is out of scope of this document.

*SuggestedRemedy*

Retention force shall be measured in accordance with IEC 61300-2-4. Requirement for the retention force shall be agreed between manufacturer and customer.

Response Response Status C

REJECT.

This comment is rejected in favor of comment #8. See response to comment #8.